

Pettigrew, George

From: Lyke, Jennifer
Sent: Thursday, April 25, 2013 11:43 AM
To: Pettigrew, George
Subject: FW: Colfax litigation

You need to be aware of all of this. Be sure to start at the beginning. After you've had a chance to read, let's talk.

From: Raoult Ratard [mailto:Raoult.Ratard@LA.GOV]
Sent: Thursday, April 25, 2013 11:39 AM
To: Dianne Dugas; Kathleen Aubin; Eman Williams; Lyke, Jennifer
Cc: Shannon Soileau
Subject: RE: Colfax litigation

The e-mails below state:

E-MAIL #1: From: Runnels, Charlotte **Sent:** Thursday, April 18, 2013 4:56 PM
To: Anderson, Israel; Eman Williams; Fagan, Nancy; Lyke, Jennifer **Subject:** RE: DHH Meeting
Using college students to help collect the data sounds like a great idea. LDHH what do you think about this idea?

E-MAIL #2: From: Runnels, Charlotte
Sent: Thursday, April 18, 2013 4:49 PM **To:** Eman Williams; Anderson, Israel; Fagan, Nancy; Lyke, Jennifer
Subject: FW: DHH Meeting

Eman, thanks for pulling the meeting together for Ms. Agnes and the residents in Alexandria. I spoke with Ms. Agnes today regarding the conference call on Tuesday. She would like to know which agency can come to their area and go door to door to get the information for the LDHH and the Tumor Registry. She thinks this task would be very overwhelming for her to tackle alone but would like to see how she can get some assistance to move this forward.

I do understand English and it plainly states that Charlotte Runnels is asking which agency " can come to their area and go door to door to get the information", and I do understand that Charlotte Runnels thinks that " Using college students to help collect the data sounds like a great idea

Then: **From:** Lyke, Jennifer [mailto:Lyke.Jennifer@epa.gov]; **Sent:** Thursday, April 25, 2013 10:07 AM; **To:** Eman Williams
Subject: FW: Colfax litigation
Eman, Wondering what followup has occurred on this? It seemed like Dr. Ratard got the wrong impression on what Agnes was asking for.

I think I got the right impression according to the meaning of the words in this plain English language. The impression is:
1- Charlotte Runnels is asking which agency " can come to their area and go door to door to get the information",
2- Charlotte Runnels thinks that " Using college students to help collect the data sounds like a great idea"

And what I mean in a simple English declarative sentence is:
" In a 40 years as an epidemiologist I have never heard of such a crazy idea".
If this simple sentence is still obscure, I'll simplify it further:
"DOOR TO DOOR SURVEY, BAD IDEA, NO NO".

Raoult Ratard MD, MS, MPH&TM
State Epidemiologist
Louisiana Office of Public Health
1450 Poydras, Ste 2159, New Orleans, LA 70112,
(504) 458-5428

From: Lyke, Jennifer [<mailto:Lyke.Jennifer@epa.gov>]
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Jennifer

From: Raoult Ratard [<mailto:Raoult.Ratard@LA.GOV>]
Sent: Friday, April 19, 2013 6:19 PM
To: Dianne Dugas; Runnels, Charlotte; Lyke, Jennifer; Fagan, Nancy; Anderson, Israel
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
Subject: Colfax litigation

In a rational world, issues must be addressed rationally.
Quotes from the letter sent to Ms. Francisco, a concerned citizen about health effects experienced in her neighborhood state:

- 1-"Although both PCP and CCA have been linked to cancer, identifying the causes of the cancers in your location was challenging because the residents were diagnosed with different types of cancers which have different risk factors. Since there were a small number of particular types of cancers in your neighborhood, it is not possible to determine if the cancer rates are higher than expected. Since many of the residents who had been diagnosed with cancer lived in the community for different lengths of time and had different occupations, it is difficult to link the cancer to a specific exposure and to determine when, or if, they came in contact with the cancer causing agent".
- 2-"LDEQ Steve Archibald stated that he had visited your home on January 25, 2010 and revisited your area on June 15, 2010 to conduct an inspection at the former Durawood facility and to identify the potential pathways for exposure to wood preserving and treatment chemicals. Mr. Archibald stated that based on the information that was collected during their inspection, the LDEQ was not able to identify current potential pathways for exposure to wood preserving and treatment chemicals from surface water, sediments, soil and groundwater".
- 3- "You also mentioned that you were concerned about lupus... LDHH also conducted a literature review to find out if lupus has been linked to any chemicals that are found in creosote. The staff was unable to find any information that linked creosote exposure to lupus".
- 4-"Graves Disease... The staff was unable to find any information linking thyroid conditions to creosote".
- 5-"Although the environment plays an important role in human development and health, it is difficult to determine how chemicals that are found in the environment affect our health because there are many risk factors that determine if a person will develop a particular disease such as thyroid conditions, cancer and lupus. These health conditions can be caused by a variety of factors ranging from genetic and environmental to behavioral (diet and other personal habits) and occupational. Researchers have been able to make links between some environmental hazards with specific diseases such as exposure to asbestos and lung cancer. Others are believed to exist but further research is needed to make these associations".
- 6-The health preliminary review of Colfax treating company, Alexandria facility, Rapides Parish, Louisiana states:
"Exposure Pathway: No routes of exposure exist between residual groundwater contaminants or soil contaminants at the site and the public". and under the section "Conclusions: Based upon the most recent environmental data review (groundwater samples collected in April 2010 and soil samples collected in 2004), SEET concludes that the groundwater and soil at the Colfax-Alexandria site will not harm people's health because under current site conditions, no routes of exposure exist between residual groundwater contaminants or soil contaminants at the site and the public".

Have any of the conclusions been invalidated by any new data? Why do a house to house survey?

1-This kind of house to house survey is the worst approach one can imagine. We have no hypothesis on any environmental agent with a pathway to the population, no hypothesis on which illness condition we would be looking for. We know that one person identified the following conditions (Cardiovascular Disease (not specified), Heart mummer, Hypertension, Blood disorder, Enlarged heart, Arrhythmia, Diabetes (type 2), Juvenile Diabetes, Stroke, Respiratory Problems (not specified), Sinus, Asthma, Allergies, Sleep Apnea, Lupus, Skin Disease (not specified), Eczema, Fibromyalgia, Arthritis, Rashes (not specified), Rashes (stomach, arm, face, hands), Hysterectomy, Miscarriages, Low-birth weight, Underweight full-term offspring (4lbs), Female Infertility ,Male infertility, Prostate problems (not specified), Dizziness, Abnormal growth on the neck, Abnormal growth on the head, TB, Diptheria, ALS, Gallbladder, Paralysis (from waist), Seizures, Enlarged Spleen, Headaches, Spots on liver, All organ stuck together (female). Including the repeat conditions there 172 conditions.

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3-Compiling all this data would take an enormous amount of staff time. Even if the data was delivered to you on a silver platter, what would you do with it after weeks of data entry. No definite conclusions can be reached when one has no rational hypothesis to start with.

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raoult.ratard@la.gov

From: Dianne Dugas
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Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
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Below are the string of emails that we received this morning concerning collecting health information from local residents near the Colfax facility in Alexandria.

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Subject: RE: DHH Meeting

<http://www.bluecliffedu.com/blue-cliff/alexandria-la/clinical-medical-assisting.aspx>

This college is in Alexandria, and they have a program for medical assistants.

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Please follow-up with her with any suggestions that might help her in this effort.

Charlotte
(214) 665-6442

From: Eman Williams [<mailto:Eman.Williams@LA.GOV>]
Sent: Tuesday, April 09, 2013 3:53 PM
To: Chris Ratcliff
Cc: Kathleen Aubin; Runnels, Charlotte
Subject: DHH Meeting

Good Afternoon Mr. Ratcliff:

Charlotte Runnels from EPA Region 6 informed us that you would be conferencing into the meeting that we are holding next week in Alexandria. We were interested in contacting you to provide you with the meeting agenda.

Thank you for agreeing to participate on the call. Please contact us if you need any additional information regarding this meeting.

Ema'n M. Williams, MSPH
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
Phone: 504-568-8143
Fax: 504-568-8149

Pettigrew, George

From: Dianne Dugas [Dianne.Dugas@LA.GOV]
Sent: Thursday, April 25, 2013 12:12 PM
To: Lyke, Jennifer
Cc: Eman Williams; Kathleen Aubin; Shannon Soileau; Raoult Ratard; Pettigrew, George; tom.harris@la.gov; Luann E White; Kellam, Jeffrey (Jeff) (ATSDR/DCHI/CB) (jyk9@cdc.gov)
Subject: RE: Colfax litigation

Jennifer, it is my understanding that you and the environmental justice staff with Region 6 have been working with Ms. Francisco to address her health concerns related to the Colfax creosote facility located in Alexandria, La. LDHH has reviewed environmental data related to the site and written a Health Consult which is currently being finalized by ATSDR. We have also written a very thorough letter to Ms. Francisco addressing her environmental and health concerns. I believe that you have copies of both these documents.

Most recently, you forwarded to us an extensive list of reported health outcomes experienced by community members over decades. Apparently, Region 6 received (may have even requested) the list from Ms. Francisco and you asked LDHH to do a health study. In order to review and comment on the diseases provided to Region 6, LDHH, LTR, and LDEQ met with Ms. Francisco and community members last week to further explain our environmental data assessments, the limits of scientific interpretation of current data in determining a causal relationship with past exposures and illnesses, and ask for more specific individual health information from the community for cancer further evaluation.

I am not aware that we have ever been invited to participate in any of the conversations among EPA, ATSDR, and Ms. Francisco that have focused on the feasibility of a "health study" in her community and we certainly have not had a conversation with any agency or individual about a door to door health study of any kind. I don't know what Ms. Francisco has in mind nor do I know what Region 6 has suggested to her is possible but I strongly recommend that, in the future, we all collaborate regarding our work in this community. It appears that, as things are working now, Region 6 (EPA and/or ATSDR) speaks with Ms. Francisco and then either party may call us to let us know what has been decided as the next public health steps to take in Louisiana and how LDHH should complete them – at one point it was reported to me that Ms. Francisco said to us that she was told that LDHH would have to follow up as directed because we are being paid by ATSDR to do the work. Of course, that was just hearsay but it does demonstrate the poor communication and planning that is going on among the agencies at this site.

From: Kathleen Aubin
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To: Dianne Dugas
Cc: Eman Williams
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Fyi.. please see below Jennifer Lyke's email to Eman regarding Colfax...

Thanks,

Kathleen Aubin
Environmental Health Scientist Supervisor
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
1450 Poydras St., Suite 1640
New Orleans, La. 70112
Phone # 504-568-8144
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Email: kathleen.aubin@la.gov

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Pettigrew, George

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Subject: RE: Colfax litigation

George,

I feel the need to clarify with Dianne, but I also want to make you aware of the facts. I don't know where Dianne is getting the information that she has, but it doesn't sound like her staff is communicating with her correctly. I don't understand why things have blown up the way they have. I have my emails to show what I said to Kathleen and Rosalind.

Jennifer

Please let me clarify a few things:

- 1) I have never spoken with Mrs. Francisco, other than the meeting on 4/16 (I participated via conference call).
- 2) I have met with EPA three times about this site and have shared all of the information with Kathleen (via email and phone).
- 3) I shared the cancer cases that Mrs. Francisco with Kathleen, via email. It was informational and there was no request for a health study.
- 4) At the 4/16 meeting, the tumor registry indicated that if Mrs. Francisco could collect add'l information on those cancer cases then they (the tumor registry) could confirm that they (the tumor registry) had the cases documented. Eman indicated that forms were brought to the meeting, showing what add'l information should be collected. My understanding is that Charlotte Runnels (EPA-6 EJ staff) spoke with Mrs. Francisco after that and Mrs. Francisco indicated that she wasn't able to physically collect all of the information requested. She then asked about assistance to collect this information. This is where the idea about using the nursing school came up. I haven't spoken to Charlotte since our 4/16 call, but am fairly certain that the idea of a health study was never entertained and the only door-to-door information gathering (not a health survey) was related to the information to document the cancer cases.
- 5) I am unsure why you feel that there has been poor communication. I have communicated with Kathleen on anything that I have done or have communicated with EPA. Never did I promise anything to EPA or Mrs. Francisco, nor speak for LDHH. I don't know anything about the comment about LDHH having to "follow up as directed because you are being paid by ATSDR to do the work". I have not heard anyone say this.

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raoult.ratard@la.gov

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To: Raoult Ratard
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
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Subject: FW: DHH Meeting

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To: Lyke, Jennifer; Runnels, Charlotte; Anderson, Israel; Eman Williams
Subject: RE: DHH Meeting

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This college is in Alexandria, and they have a program for medical assistants.

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(214) 665-6442

From: Eman Williams [<mailto:Eman.Williams@LA.GOV>]

Sent: Tuesday, April 09, 2013 3:53 PM

To: Chris Ratcliff

Cc: Kathleen Aubin; Runnels, Charlotte

Subject: DHH Meeting

Good Afternoon Mr. Ratcliff:

Charlotte Runnels from EPA Region 6 informed us that you would be conferencing into the meeting that we are holding next week in Alexandria. We were interested in contacting you to provide you with the meeting agenda.

Thank you for agreeing to participate on the call. Please contact us if you need any additional information regarding this meeting.

Ema'n M. Williams, MSPH

Louisiana Department of Health and Hospitals

Section of Environmental Epidemiology and Toxicology

Phone: 504-568-8143

Fax: 504-568-8149

Pettigrew, George

From: Lyke, Jennifer
Sent: Thursday, April 25, 2013 1:44 PM
To: Pettigrew, George
Subject: FW: Colfax litigation

fyi

From: Kellam, Jeffrey (Jeff) (ATSDR/DCHI/CB) [mailto:jyk9@cdc.gov]
Sent: Thursday, April 25, 2013 1:41 PM
To: Lyke, Jennifer L. (ATSDR/DCHI/CB)
Subject: FW: Colfax litigation

Jennifer:

Kathleen has submitted an APOW for the new agreement year to look at some environmental samples. They have not completed anything and are not planning a health study. They do plan to collect some survey info, but will use info internally, understanding as they do our human subject IRB limitations and requirements.

From: Dianne Dugas [mailto:Dianne.Dugas@LA.GOV]
Sent: Thursday, April 25, 2013 1:12 PM
To: Lyke, Jennifer L. (EPA) (CDC epa.gov)
Cc: Eman Williams; Kathleen Aubin; Shannon Soileau; Raoult Ratard; Pettigrew.George@epamail.epa.gov; Tom Harris; Luann E White; Kellam, Jeffrey (Jeff) (ATSDR/DCHI/CB)
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Fyi.. please see below Jennifer Lyke's email to Eman regarding Colfax...

Thanks,

Kathleen Aubin
Environmental Health Scientist Supervisor
Louisiana Department of Health and Hospitals
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1450 Poydras St., Suite 1640
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Phone # 504-568-8144
Fax #: 504-568-8149
Email: kathleen.aubin@la.gov

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To: Dianne Dugas; Runnels, Charlotte; Lyke, Jennifer; Fagan, Nancy; Anderson, Israel
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
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And Dianne forgot to add that such pseudo-scientific door to door health survey are nothing more than a fishing expedition with no scientific value whatsoever. Such surveys look good when announced. They do not look so good when the feedback is not conclusive. I would strongly advise our Department to stay away from such a snake oil approach to address problems.

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To: Raoult Ratard
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
Subject: FW: DHH Meeting

Below are the string of emails that we received this morning concerning collecting health information from local residents near the Colfax facility in Alexandria.

From: Kathleen Aubin
Sent: Friday, April 19, 2013 11:20 AM
To: Dianne Dugas
Subject: FW: DHH Meeting

From: Eman Williams
Sent: Friday, April 19, 2013 10:56 AM
To: Kathleen Aubin
Subject: FW: DHH Meeting

From: Fagan, Nancy [<mailto:Fagan.Nancy@epa.gov>]
Sent: Friday, April 19, 2013 10:55 AM
To: Lyke, Jennifer; Runnels, Charlotte; Anderson, Israel; Eman Williams
Subject: RE: DHH Meeting

<http://www.bluecliffedu.com/blue-cliff/alexandria-la/clinical-medical-assisting.aspx>

This college is in Alexandria, and they have a program for medical assistants.

From: Lyke, Jennifer
Sent: Thursday, April 18, 2013 6:08 PM
To: Fagan, Nancy; Runnels, Charlotte; Anderson, Israel; Eman Williams
Subject: Re: DHH Meeting

There may be HIPAA issues with that. Not sure. Good idea though.

From: Fagan, Nancy
Sent: Thursday, April 18, 2013 4:58:24 PM
To: Runnels, Charlotte; Anderson, Israel; Eman Williams; Lyke, Jennifer
Subject: RE: DHH Meeting

Agnes says there is a small college in Pineville, actually close to the Colfax facility (which is still owned and operated by Roy O. Martin).

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To: Runnels, Charlotte; Eman Williams; Fagan, Nancy; Lyke, Jennifer
Subject: RE: DHH Meeting

How about the use of college students if there is a university or college near by?

From: Runnels, Charlotte
Sent: Thursday, April 18, 2013 4:49 PM
To: Eman Williams; Anderson, Israel; Fagan, Nancy; Lyke, Jennifer
Subject: FW: DHH Meeting

Eman, thanks for pulling the meeting together for Ms. Agnes and the residents in Alexandria. I spoke with Ms. Agnes today regarding the conference call on Tuesday. She would like to know which agency can come to their area and go door to door to get the information for the LDHH and the Tumor Registry. She thinks this task would be very overwhelming for her to tackle alone but would like to see how she can get some assistance to move this forward.

Please follow-up with her with any suggestions that might help her in this effort.

Charlotte
(214) 665-6442

From: Eman Williams [<mailto:Eman.Williams@LA.GOV>]
Sent: Tuesday, April 09, 2013 3:53 PM
To: Chris Ratcliff
Cc: Kathleen Aubin; Runnels, Charlotte
Subject: DHH Meeting

Good Afternoon Mr. Ratcliff:

Charlotte Runnels from EPA Region 6 informed us that you would be conferencing into the meeting that we are holding next week in Alexandria. We were interested in contacting you to provide you with the meeting agenda.

Thank you for agreeing to participate on the call. Please contact us if you need any additional information regarding this meeting.

Ema'n M. Williams, MSPH
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
Phone: 504-568-8143
Fax: 504-568-8149

Pettigrew, George

From: Dianne Dugas [Dianne.Dugas@LA.GOV]
Sent: Thursday, April 25, 2013 3:16 PM
To: Raoult Ratard; Lyke, Jennifer
Cc: Eman Williams; Kathleen Aubin; Shannon Soileau; Pettigrew, George; tom.harris@la.gov; Luann E White; Kellam, Jeffrey (Jeff) (ATSDR/DCHI/CB) (jyk9@cdc.gov)
Subject: RE: Colfax litigation

Agreed

From: Raoult Ratard
Sent: Thursday, April 25, 2013 3:11 PM
To: Dianne Dugas; Lyke.Jennifer@epa.gov
Cc: Eman Williams; Kathleen Aubin; Shannon Soileau; Pettigrew.George@epamail.epa.gov; Tom Harris; Luann E White; Kellam, Jeffrey (Jeff) (ATSDR/DCHI/CB) (jyk9@cdc.gov)
Subject: RE: Colfax litigation

And Dianne forgot to add that such pseudo-scientific door to door health survey are nothing more than a fishing expedition with no scientific value whatsoever. Such surveys look good when announced. They do not look so good when the feedback is not conclusive. I would strongly advise our Department to stay away from such a snake oil approach to address problems.

Raoult Ratard MD, MS, MPH&TM
State Epidemiologist
Louisiana Office of Public Health
1450 Poydras, Ste 2159, New Orleans, LA 70112,
(504) 458-5428
raoult.ratard@la.gov

From: Dianne Dugas
Sent: Thursday, April 25, 2013 12:12 PM
To: Lyke.Jennifer@epa.gov
Cc: Eman Williams; Kathleen Aubin; Shannon Soileau; Raoult Ratard; Pettigrew.George@epamail.epa.gov; Tom Harris; Luann E White; Kellam, Jeffrey (Jeff) (ATSDR/DCHI/CB) (jyk9@cdc.gov)
Subject: RE: Colfax litigation

Jennifer, it is my understanding that you and the environmental justice staff with Region 6 have been working with Ms. Francisco to address her health concerns related to the Colfax creosote facility located in Alexandria, La. LDHH has reviewed environmental data related to the site and written a Health Consult which is currently being finalized by ATSDR. We have also written a very thorough letter to Ms. Francisco addressing her environmental and health concerns. I believe that you have copies of both these documents.

Most recently, you forwarded to us an extensive list of reported health outcomes experienced by community members over decades. Apparently, Region 6 received (may have even requested) the list from Ms. Francisco and you asked LDHH to do a health study. In order to review and comment on the diseases provided to Region 6, LDHH, LTR, and LDEQ met with Ms. Francisco and community members last week to further explain our environmental data assessments, the limits of scientific interpretation of current data in determining a causal relationship with past exposures and illnesses, and ask for more specific individual health information from the community for cancer further evaluation.

I am not aware that we have ever been invited to participate in any of the conversations among EPA, ATSDR, and Ms. Francisco that have focused on the feasibility of a "health study" in her community and we certainly have not had a conversation with any agency or individual about a door to door health study of any kind. I don't know what Ms. Francisco has in mind nor do I know what Region 6 has suggested to her is possible but I strongly recommend that, in the

future, we all collaborate regarding our work in this community. It appears that, as things are working now, Region 6 (EPA and/or ATSDR) speaks with Ms. Francisco and then either party may call us to let us know what has been decided as the next public health steps to take in Louisiana and how LDHH should complete them – at one point it was reported to me that Ms. Francisco said to us that she was told that LDHH would have to follow up as directed because we are being paid by ATSDR to do the work. Of course, that was just hearsay but it does demonstrate the poor communication and planning that is going on among the agencies at this site.

From: Kathleen Aubin
Sent: Thursday, April 25, 2013 10:15 AM
To: Dianne Dugas
Cc: Eman Williams
Subject: FW: Colfax litigation

Fyi.. please see below Jennifer Lyke's email to Eman regarding Colfax...

Thanks,

Kathleen Aubin
Environmental Health Scientist Supervisor
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
1450 Poydras St., Suite 1640
New Orleans, La. 70112
Phone # 504-568-8144
Fax #: 504-568-8149
Email: kathleen.aubin@la.gov

From: Eman Williams
Sent: Thursday, April 25, 2013 10:13 AM
To: Kathleen Aubin
Subject: FW: Colfax litigation

From: Lyke, Jennifer [<mailto:Lyke.Jennifer@epa.gov>]
Sent: Thursday, April 25, 2013 10:07 AM
To: Eman Williams
Subject: FW: Colfax litigation

Eman,
Wondering what followup has occurred on this? It seemed like Dr. Ratard got the wrong impression on what Agnes was asking for.
Jennifer

From: Raoult Ratard [<mailto:Raoult.Ratard@LA.GOV>]
Sent: Friday, April 19, 2013 6:19 PM
To: Dianne Dugas; Runnels, Charlotte; Lyke, Jennifer; Fagan, Nancy; Anderson, Israel
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
Subject: Colfax litigation

In a rational world, issues must be addressed rationally.

Quotes from the letter sent to Ms. Francisco, a concerned citizen about health effects experienced in her neighborhood state:

1-"Although both PCP and CCA have been linked to cancer, identifying the causes of the cancers in your location was challenging because the residents were diagnosed with different types of cancers which have different risk factors. Since there were a small number of particular types of cancers in your neighborhood, it is not possible to determine if the cancer rates are higher than expected. Since many of the residents who had been diagnosed with cancer lived in the community for different lengths of time and had different occupations, it is difficult to link the cancer to a specific exposure and to determine when, or if, they came in contact with the cancer causing agent".

2-"LDEQ Steve Archibald stated that he had visited your home on January 25, 2010 and revisited your area on June 15, 2010 to conduct an inspection at the former Durawood facility and to identify the potential pathways for exposure to wood preserving and treatment chemicals. Mr. Archibald stated that based on the information that was collected during their inspection, the LDEQ was not able to identify current potential pathways for exposure to wood preserving and treatment chemicals from surface water, sediments, soil and groundwater".

3-"You also mentioned that you were concerned about lupus... LDHH also conducted a literature review to find out if lupus has been linked to any chemicals that are found in creosote. The staff was unable to find any information that linked creosote exposure to lupus".

4-"Graves Disease... The staff was unable to find any information linking thyroid conditions to creosote".

5-"Although the environment plays an important role in human development and health, it is difficult to determine how chemicals that are found in the environment affect our health because there are many risk factors that determine if a person will develop a particular disease such as thyroid conditions, cancer and lupus. These health conditions can be caused by a variety of factors ranging from genetic and environmental to behavioral (diet and other personal habits) and occupational. Researchers have been able to make links between some environmental hazards with specific diseases such as exposure to asbestos and lung cancer. Others are believed to exist but further research is needed to make these associations".

6-The health preliminary review of Colfax treating company, Alexandria facility, Rapides Parish, Louisiana states: "Exposure Pathway: No routes of exposure exist between residual groundwater contaminants or soil contaminants at the site and the public". and under the section "Conclusions: Based upon the most recent environmental data review (groundwater samples collected in April 2010 and soil samples collected in 2004), SEET concludes that the groundwater and soil at the Colfax-Alexandria site will not harm people's health because under current site conditions, no routes of exposure exist between residual groundwater contaminants or soil contaminants at the site and the public".

Have any of the conclusions been invalidated by any new data? Why do a house to house survey?

1-This kind of house to house survey is the worst approach one can imagine. We have no hypothesis on any environmental agent with a pathway to the population, no hypothesis on which illness condition we would be looking for. We know that one person identified the following conditions (Cardiovascular Disease (not specified), Heart mummer, Hypertension, Blood disorder, Enlarged heart, Arrhythmia, Diabetes (type 2), Juvenile Diabetes, Stroke, Respiratory Problems (not specified), Sinus, Asthma, Allergies, Sleep Apnea, Lupus, Skin Disease (not specified), Eczema, Fibromyalgia, Arthritis, Rashes (not specified), Rashes (stomach, arm, face, hands), Hysterectomy, Miscarriages, Low-birth weight, Underweight full-term offspring (4lbs), Female Infertility, Male infertility, Prostate problems (not specified), Dizziness, Abnormal growth on the neck, Abnormal growth on the head, TB, Diptheria, ALS, Gallbladder, Paralysis (from waist), Seizures, Enlarged Spleen, Headaches, Spots on liver, All organ stuck together (female). Including the repeat conditions there 172 conditions.

2-A house to house survey is very difficult to organize. People are not at home during the day. Contact has to be made in the evening at a time when many people are involved in other activities such as cooking, eating dinner, checking home work and watching TV. Besides there are some issues with the safety of the surveyors traipsing around neighborhood at dusk.

3-Compiling all this data would take an enormous amount of staff time. Even if the data was delivered to you on a silver platter, what would you do with it after weeks of data entry. No definite conclusions can be reached when one has no rational hypothesis to start with.

4-The issue is already in litigation (<http://wiki.legalexaminer.com/topic/colfax-treating-co.aspx>;). The Louisiana Supreme Court made a negative decision on class certification (<http://www.edwardswildman.com/files/upload/WestlawBAustin.pdf>). There is absolutely no public health benefit to inject DHH/OPH into such a contentious issue.

In a 40 years as an epidemiologist I have never heard of such a crazy idea. Could we try to be a little more reasonable here?

Raoult Ratard MD, MS, MPH&TM
State Epidemiologist
Louisiana Office of Public Health
1450 Poydras, Ste 2159, New Orleans, LA 70112,
(504) 458-5428
raoult.ratard@la.gov

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This college is in Alexandria, and they have a program for medical assistants.

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Please follow-up with her with any suggestions that might help her in this effort.

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(214) 665-6442

From: Eman Williams [<mailto:Eman.Williams@LA.GOV>]
Sent: Tuesday, April 09, 2013 3:53 PM
To: Chris Ratcliff
Cc: Kathleen Aubin; Runnels, Charlotte
Subject: DHH Meeting

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Charlotte Runnels from EPA Region 6 informed us that you would be conferencing into the meeting that we are holding next week in Alexandria. We were interested in contacting you to provide you with the meeting agenda.

Thank you for agreeing to participate on the call. Please contact us if you need any additional information regarding this meeting.

Ema'n M. Williams, MSPH
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
Phone: 504-568-8143
Fax: 504-568-8149

Pettigrew, George

From: Pettigrew, George
Sent: Wednesday, May 22, 2013 11:21 AM
To: Dianne Dugas
Subject: FW: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST
Attachments: Fle 4.pdf

fyi

From: Runnels, Charlotte
Sent: Tuesday, May 21, 2013 1:29 PM
To: Anderson, Israel; Pettigrew, George
Subject: FW: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST

FYI

From: Jean Francisco [<mailto:ajwfran@yahoo.com>]
Sent: Tuesday, May 21, 2013 1:15 PM
To: Runnels, Charlotte
Subject: Fw: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST

----- Forwarded Message -----

From: Jean Francisco <ajwfran@yahoo.com>
To: "devito.steve@epa.gov" <devito.steve@epa.gov>
Sent: Sunday, May 19, 2013 2:14 PM
Subject: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST
MR. DEVITO,

CRUCIAL INFORMATION, PLEASE READ THIS ATTACHMENT. I sent a package to Washington to Dir. Lisa Jackson's office on April 5, 2010, this was included, and it was forwarded to Region 6. Please help me to get this to the right person in Washington. The attachment include Alexandria, La. (Durawood Creosote Plant), Pineville, La. (Colfax Treating Co.) and two other creosote plant. Again, I really need your help. Thank you for everything you have done and thank you in advance for everything that you will do for this and other communities.

With warm regards,

Agnes W. Francisco

FOIA Exemption 6-Personal Privacy

A large black rectangular redaction box covers the signature and contact information of Agnes W. Francisco.

Charlotte,

Please read this attachment and forward to Israel Anderson. Thanks for everything you do.

Agnes W. Francisco

Pettigrew, George

From: Pettigrew, George
Sent: Tuesday, April 30, 2013 2:56 PM
To: Runnels, Charlotte
Cc: Israel Anderson
Subject: RE: Agnes Francisco - Colfax, Stella Jones

I would like to include LaOPH in the meeting so that all parties have and share the same information and need for follow up.

George

-----Original Appointment-----

From: Lyke, Jennifer **On Behalf Of** Runnels, Charlotte
Sent: Tuesday, April 30, 2013 1:55 PM
To: Pettigrew, George
Subject: FW: Agnes Francisco - Colfax, Stella Jones
When: Thursday, May 02, 2013 1:00 PM-2:00 PM (UTC-06:00) Central Time (US & Canada).
Where: Santa Fe Conference Room

-----Original Appointment-----

From: Runnels, Charlotte
Sent: Tuesday, April 30, 2013 1:50 PM
To: Runnels, Charlotte; Anderson, Israel; Fagan, Nancy; Verhalen, Frances; Lyke, Jennifer
Subject: Agnes Francisco - Colfax, Stella Jones
When: Thursday, May 02, 2013 1:00 PM-2:00 PM (GMT-06:00) Central Time (US & Canada).
Where: Santa Fe Conference Room

Everyone, we thought it would be a good idea to meet and discuss Dr. Ratard's response to Ms. Agnes and her concerns. Open attachment to see his comments:

<< Message: RE: Colfax litigation >>

Pettigrew, George

From: Pettigrew, George
Sent: Wednesday, May 22, 2013 1:01 PM
To: Jennifer Lyke; Robert Safay
Subject: FW: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST
Attachments: Fle 4.pdf

Fyi -- copy has been sent to LOPH.

From: Runnels, Charlotte
Sent: Tuesday, May 21, 2013 1:29 PM
To: Anderson, Israel; Pettigrew, George
Subject: FW: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST

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Agnes W. Francisco

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Charlotte,
Please read this attachment and forward to Isreal Anderson. Thanks for everything you do.

Agnes W. Francisco

Pettigrew, George

From: Runnels, Charlotte
Sent: Monday, June 24, 2013 10:38 AM
To: Pettigrew, George; Anderson, Israel
Subject: FW: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST
Attachments: Fle 4.pdf

George,

Israel and I have a scheduled call with Ms. Agnes @ 1:00 today regarding the attached report on Dioxin Furan and Blood Lipid and Attic Dust. Do you have comments on the document? Thanks

From: Runnels, Charlotte
Sent: Tuesday, May 21, 2013 1:28 PM
To: Anderson, Israel; Pettigrew, George
Subject: FW: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST

FYI

From: Jean Francisco [<mailto:ajwfran@yahoo.com>]
Sent: Tuesday, May 21, 2013 1:15 PM
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Subject: Fw: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST

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FOIA Exemption 6-Personal Privacy



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Please read this attachment and forward to Isreal Anderson. Thanks for everything you do.

LUNDY, LUNDY, SOILEAU & SOUTH, L.L.P.

ATTORNEYS AT LAW

HUNTER W. LUNDY
ATTORNEY AT LAW
hlundy@lundyawllp.com

501 BROAD STREET
P.O. BOX 3010
LAKE CHARLES, LA 70602
(337) 439-0707
FACSIMILE (337) 439-1029
www.lundyawllp.com

Lake Charles, Louisiana

Jackson, Mississippi

Fayetteville, Arkansas

May 28, 2010

Mr. Steve Archibald
Department of Environmental Quality
1823 Highway 546
West Monroe, LA 71292

Re: Colfax Treating Company, L.L.C.
Durawood, L.L.C.
Roy O. Martin Lumber Company, L.L.C.

Dear Steve:

You inquired about the blood sampling that was conducted in Alexandria and Pineville, Louisiana for the Durawood and Colfax facilities. Enclosed please find the published study in the *Journal of Environmental Health* released last week, reflecting the dioxins in the blood of the residents in the Pineville and Alexandria area. You will also see the dioxins in the blood of the residents living next to the Grenada, Mississippi site, as well as the Florala, Alabama site. As you can see, the findings reveal there is an "very significant potential for contaminated related health risks to communities surrounding wood treatment facilities." You may want to provide a copy of this to the Department of Health and if they want to go draw blood, I recommend they draw blood samples from people living near the Colfax facility and the Durawood facility. We hope this gives you the information you needed.

With kindest personal regards, we remain

Sincerely,

LUNDY, LUNDY, SOILEAU & SOUTH, LLP

By: 

HUNTER W. LUNDY

HWL/cp
Enclosures
cc: Mr. Jay Gloriosò, General Counsel

Dioxin Furan Blood Lipid and Attic Dust Concentrations in Populations Living Near Four Wood Treatment Facilities in the United States

L. Feng
C. Wu
L. Tam
A.J. Sutherland
J.J. Clark
P.E. Rosenfeld

Abstract To evaluate historical exposure from wood treatment facilities, attic dust samples were collected from residential structures and blood samples were collected from current and past residents of four communities surrounding wood treatment facilities throughout the United States. The pattern of dioxin/furan congeners detected in both attic dust and blood samples was found to be consistent with exposure to contaminants generated during the wood treatment process. Levels in the U.S. population of 2,3,7,8-tetrachloro-p-dibenzodioxin toxic equivalents (2,3,7,8-TCDD TEQs) for all 17 carcinogenic dioxin/furan congeners as well as octa-chlorinated dibenzo-p-dioxin (OCDD) adjusted to its TEQ value and 1,2,3,4,6,7,8-hepta-chlorinated dibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD) adjusted to its TEQ value were compared to the TEQ levels in the combined data set for all four communities and in the data sets for each individual community. TEQ concentrations in these communities were found to be significantly greater than in the general U.S. population. The levels of dioxins in attic dust were compared to the U.S. Environmental Protection Agency's regional screening levels and found to far exceed the levels that are regarded as safe for the general population. These findings reveal that a very significant potential for contaminant-related health risks exists in communities surrounding wood treatment facilities.

According to data from the 2000 United States Census (U.S. Census Bureau, 2002), blacks represent a higher than average proportion of each community's population—37% on average compared to 12% of the U.S. population. The proportion of whites averages 61% compared to 75% of the U.S. population. Education levels in the communities are consistently lower than average levels in the U.S.; the level of high school graduation in the four communities averages 68%, compared to 80% of the U.S. population, while college degree attainment in the four communities averages 15%, compared to 24% of the U.S. population. The median household income within the four communities averages \$25,000, compared to the national median of \$42,000, and the percentage of the population below the poverty line averages 26%, approximately twice the U.S. average of 12%. This background information suggests that wood treatment facilities are commonly found in areas of lower socioeconomic status, where less awareness exists of the health risks of living near an industrial facility.

Introduction

Dioxins and furans were evaluated in attic dust of residential structures and in blood of residents of four communities where wood treatment facilities are located: Alexandria, Louisiana; Pineville, Louisiana; Grenada, Mississippi; and Florala, Alabama. The relationship between proximity to a wood treatment facility and levels of dioxins and furans found in dust and subjects' blood samples is of particular importance to understanding the risks

of living near such industrial facilities.

The wood treatment facilities at the four locations used pentachlorophenol (PCP) and creosote as insecticides to treat wood, releasing dioxins and other hazardous substances into the surrounding communities. The Alexandria, Louisiana, facility has been in operation since 1926; the Pineville, Louisiana, facility since 1948; the Florala, Alabama, facility since the early 1900s; and the Grenada, Mississippi, facility since 1904.

Dioxins and Furans

Polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs), commonly referred to simply as dioxins and furans, are toxic chlorinated compounds that are usually released as mixtures into the environment. Dioxins and furans are by-products and impurities generated during human activities such as industrial, municipal, and domestic incineration/combustion and the manufacture of chlorinated phenols and other chlorinated chemicals like PCP (Agency for

Toxic Substances and Disease Registry [ATSDR], 1994, 1998; Dougherty, 1978; Webster & Commoner, 2003). The use and incineration of PCP and creosote-treated wood products creates highly chlorinated dioxin and furan congeners, such as the signature congeners octa-chlorinated dibenzo-p-dioxin (OCDD) and 1,2,3,4,6,7,8-hepta-chlorinated dibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD) (ATSDR, 2001; Dahlgren, Warshaw, Horsak, Parker, & Takhar, 2003; Dahlgren et al., 2007; Harnly, Petreas, Flattery, & Goldman, 2000; Paepke, Ball, & Lis, 1992).

Dioxins and furans comprise a large class of compounds. There are 210 different dioxin and furan congeners. Seventy-five are possible dioxin congeners and 135 are possible furan congeners. The dioxin and furan congeners thought to be most toxic to humans are the seven dioxins (including OCDD and 1,2,3,4,6,7,8-HpCDD) and 10 furans with chlorines occupying at least the 2,3,7, and 8 positions (Figure 1). These 17 congeners are reported to cause cancers, and have endocrine and reproductive effects. The different PCDD/F congeners are structurally similar and have a similar mechanism of action. These chemicals are typically reported as 2,3,7,8-TCDD toxic equivalents (TEQs). (U.S. Environmental Protection Agency [U.S. EPA], 1989).

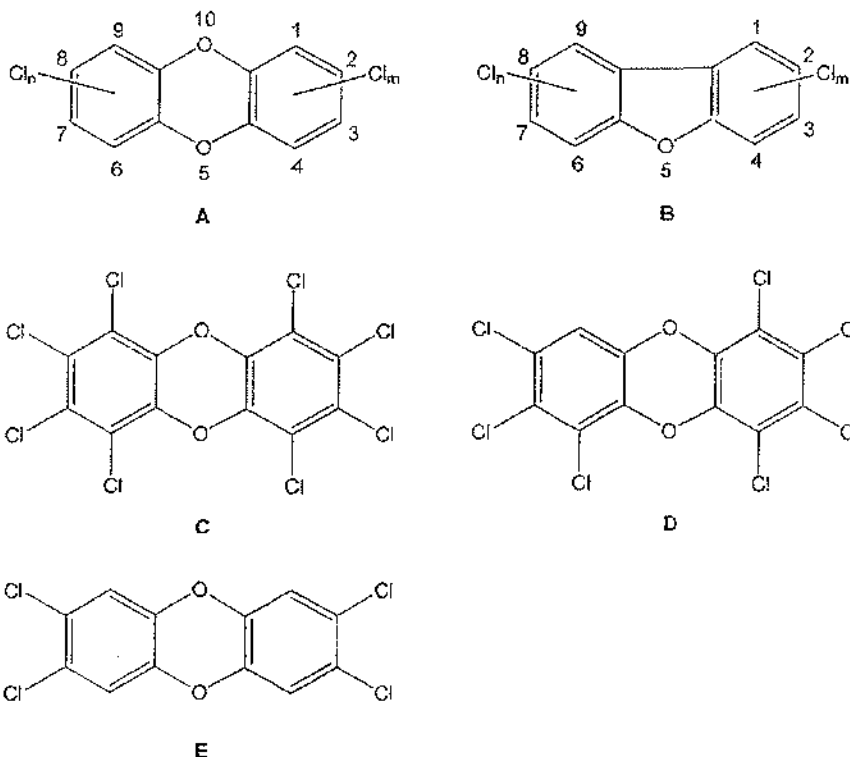
The concept of 2,3,7,8-TCDD TEQs was developed to efficiently evaluate mixtures of PCDD/Fs, and TEQs are determined by means of Toxic Equivalency Factors (TEFs) (U.S. EPA, 1987). TEFs establish the toxicity of the different congeners in relation to 2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD) for use in evaluating human health concerns. The U.S. Environmental Protection Agency (U.S. EPA) has determined that TEFs are currently the best method for evaluating complex mixtures of PCDD/Fs. The concentration of each PCDD/F is multiplied by its respective TEF to obtain a 2,3,7,8-TCDD toxic equivalents (TEQ) value (U.S. EPA, 2003). These individual TEQs are then summed to provide a total dioxin TEQ value for the mixture (Chen, Wang, Yu, Liao, & Lee, 2006).

Dioxins and Furans in Attic Dust

Attic dust sampling is a useful tool for evaluating historical exposure to airborne dust contaminants (Dahlgren et al., 2003, 2007; Hensley, Scott, Rosenfeld, & Clark, 2007). Once airborne dust infiltrates the attic, it set-

FIGURE 1

Structures of Dioxins, Furans, 2,3,7,8-TCDD, OCDD, and 1,2,3,4,6,7,8-HpCDD



A. General structure of dioxins (polychlorinated dibenzo-p-dioxins), where $m+n = 1$ through 8. B. General structure of furans (polychlorinated dibenzofurans), where $m+n = 1$ through 8. C. Octa-chlorinated dibenzo-p-dioxin (OCDD). D. 1,2,3,4,6,7,8-hepta-chlorinated dibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD). E. 2,3,7,8-tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD).

ties and is protected from weathering, serving as a "time capsule" of contaminants associated with dust (Dahlgren et al., 2007; Hensley et al., 2007; O'Connor & Sabarsula, 2005).

To evaluate whether exposure to contamination in the communities surrounding the four wood treatment facilities was higher than the general U.S. population, dioxins/furans in attic dust samples were compared to U.S. EPA regional screening levels (RSLs) for chemical contaminants. Representing concentrations that may warrant further investigation or site cleanup at a Superfund site, RSLs were developed to aid risk assessment and remediation at the sites. Concentrations for various chemicals in air, drinking water, and soil were derived using the latest toxic-

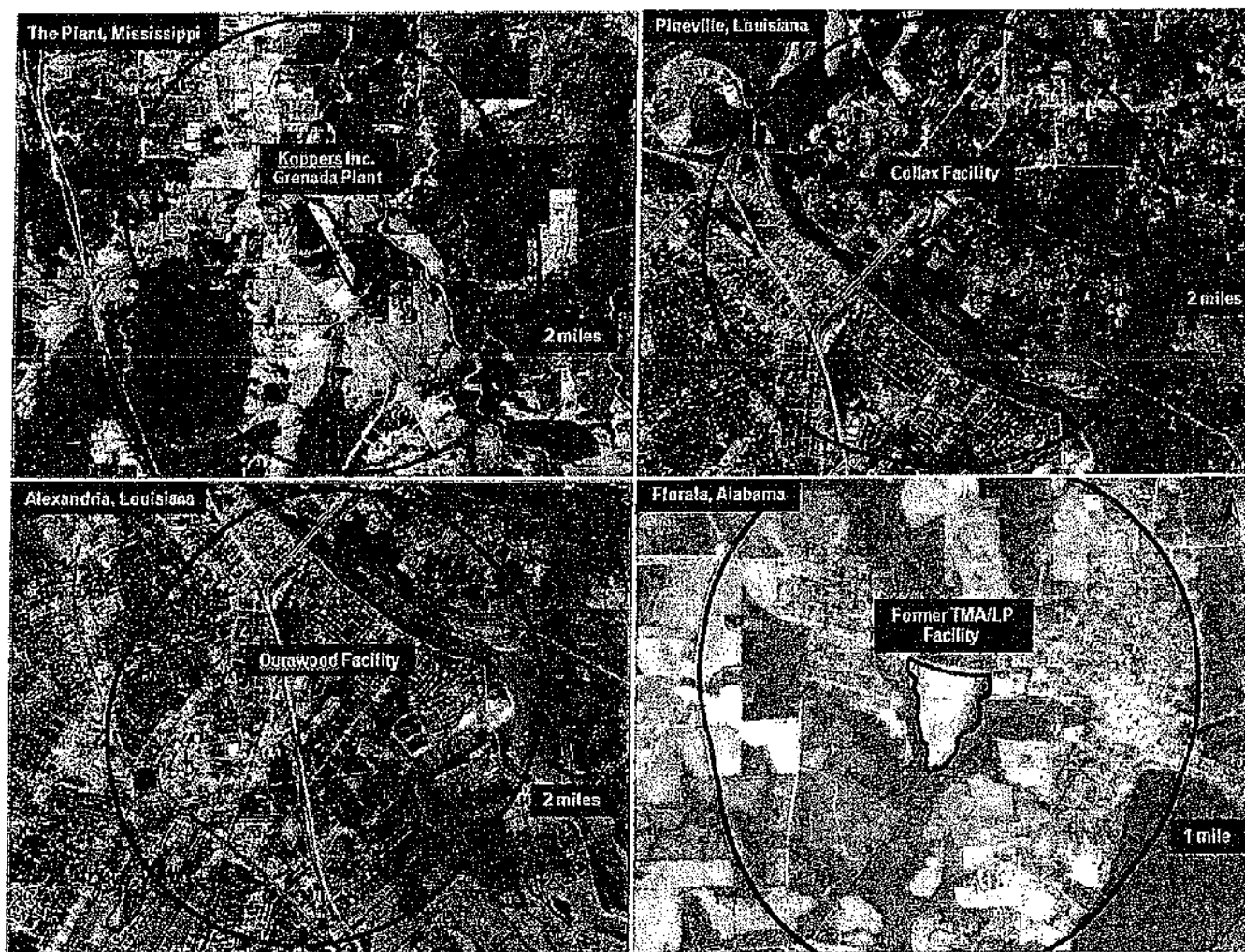
ity values, default exposure assumptions, and physical and chemical properties. The RSL corresponds to a risk of one excess cancer in a population of one million.

Dioxins and Furans in Human Blood

Blood analysis is a useful tool for evaluating historical exposure to airborne contaminants. Dioxins and furans have relatively long half-lives in human blood; therefore, sampling human blood can be used to assess historical exposure. Pirkle and co-authors (1989) estimated the serum half-life of 2,3,7,8-TCDD in humans to be 7.1 years (range of 2.9–26.9 years) in a group of 36 Vietnam veterans. In a subsequent study, Michalek (1996) estimated the serum half-life of 2,3,7,8-TCDD in hu-

FIGURE 2

Proximity of Sampling Locations to Facilities



mans to be 8.7 years (95% confidence interval [CI] of 8.0–9.5 years) in a group of 343 Vietnam veterans. A half-life range from 3.5 to 15.7 years was estimated for dioxin congeners other than 2,3,7,8-TCDD in a study performed by Flesch-Janys and co-authors (1996).

To evaluate whether exposure to contamination in the communities surrounding the four wood treatment facilities was higher than the general U.S. population, blood samples were compared to the Centers for Disease Control and Prevention (CDC) National Health and Nutrition Examination and Survey (NHANES) data set for 2003 to 2004. CDC

conducts a survey, the National Health and Nutrition Examination Survey (NHANES), every two years through the National Center for Health Statistics (NCHS). The NHANES data set contains health and nutritional information on the U.S. population. The 1999–2000 survey collected data on 116 chemicals and was the first to include PCDD/F serum analyses. The 2001–2002 NHANES survey collected data on 135 chemicals. The data were updated in 2003–2004. The 2003–2004 NHANES data set was used as descriptive reference statistics for 2,3,7,8-TCDD TEQ in blood-lipid in the U.S. population.

Materials and Methods

Attic Dust Sampling

Attic dust sampling was conducted by 3TM International, Inc., and Soil Water Air Protection Enterprise (SWAPE), environmental consulting firms located in Houston, Texas, and Santa Monica, California, respectively. Attic dust was collected from buildings surrounding the four wood treatment facilities, with building selection based on building access and the presence of a gable vent allowing air flow into the attic. Sampling was performed in the following places: 1) 21 buildings surround-

ing the Alexandria wood treatment facility, 2) 14 buildings surrounding the Grenada wood treatment facility, 3) 14 buildings surrounding the Pineville wood treatment facility, and 4) 11 buildings surrounding the Florala wood treatment facility. Maps showing the general proximity of the sampling around each facility are given in Figure 2.

Attic dust samples were collected using a High Volume Simplified Small Surface Sampler (HVS4) in general accordance with American Society for Testing and Materials (ASTM) method D5438, "Standard Practice for Collection of Floor Dust for Chemical Analysis (ASTM, 2005)." Dust was collected near hard surfaces near the gable vent where undisturbed dust accumulated over time.

Dioxins/furans were analyzed in general accordance with U.S. EPA Method 8290 using HRGC/HRMS. Internal standards were added to all samples and each sample batch included a method blank, a laboratory control sample, and the unknown attic dust sample. The analytical data were reviewed using comprehensive multitiered quality assurance and quality control procedures.

Nondetect results were assigned values equal to the detection limit divided by two, as is historically done in the evaluation of nondetects in environmental samples. Detection limits differed by sample and congener, but represented a minor contribution to total dioxin concentration. Concentrations of OCDD (adjusted to TEQs), 1,2,3,4,6,7,8-HpCDD (adjusted to TEQs), and total dioxins/furans (adjusted to TEQs), were calculated for each location sampled using World Health Organization (WHO) 2005 TEF values. Mean, median, and upper confidence limit (UCL) concentrations were then calculated for the entire site. The U.S. EPA ProUCL 4.0 (U.S. EPA, 2007) software was used to calculate the UCL, a value approximately providing the 95% coverage for the unknown population arithmetic mean. All UCL computation methods are available in the ProUCL user guide (U.S. EPA, 2007).

Blood Sampling

Blood samples were collected from 65 current and past residents of the four communities: 1) 22 from Grenada, Mississippi; 2) 11 from Pineville, Louisiana; 3) 11 from Alexandria, Louisiana; and 4) 21 from Florala, Alabama. The participants were identified using previously conducted health survey information in-

dicating they had health conditions that could potentially be linked to persistent exposure to dioxin and furan congeners, byproducts of the wood treatment facilities. Subjects residing in close proximity to the wood treatment facilities for years or decades provided the most suitable candidates, and thus duration of exposure played a role in determining sample selection. Each resident had lived in close proximity (within two miles) of the local facility during its operation for multiple years, up to several decades. Submission of blood samples was voluntary from individuals within these health parameters, and no sociodemographic profiling was performed.

In accordance with U.S. EPA Method 8290, high resolution gas chromatography (HRGC)/mass spectrometry (HRMS) was used to analyze the blood samples for dioxins and furans in blood lipid. Each serum sample was spiked with $^{13}\text{C}_{12}$ -labeled internal standards prior to extraction. A DB-5 capillary column was used to separate the target analytes. Each sample batch included a method blank (MB), a laboratory control sample (LCS), and the unknown serum samples. Blood lipid content was determined gravimetrically. Data were reviewed using comprehensive multitiered quality assurance and quality control procedures. Nondetect results were evaluated as the detection limit divided by the square-root of two, as is common for biological samples. Detection limits varied by congener and sample but represented a minor contribution to total dioxin concentration.

Concentrations of OCDD (adjusted to 2,3,7,8-TCDD TEQs), 1,2,3,4,6,7,8-HpCDD (adjusted to TEQs), and total dioxins/furans (adjusted to TEQs), were calculated for each blood sample using WHO 2005 TEF values. Mean, maximum, 50th, 75th, 90th, and 95th percentile concentrations of were then calculated for each site.

NHANES Data Set Analysis

The 2003 to 2004 NHANES data for dioxins and furans were downloaded from the CDC Web site (National Center for Health Statistics, 2003). The data was downloaded in SAS format, but converted to Microsoft Excel format using SYSTAT 11.0 statistical software package. In order to facilitate the comparison, the NHANES data was narrowed down to individuals 25 to 88 years of age to correspond with the age range of test subjects from all four communities. For individual site comparisons, the NHANES data

was narrowed down to correspond to the age range of the site's test subjects: 44 to 88 years of age for Grenada, 34 to 80 years of age for Pineville, 37 to 79 years of age for Alexandria, and 25 to 76 years of age for Florala. Concentrations of total 2,3,7,8-TCDD TEQs, OCDD (adjusted to TEQs), and 1,2,3,4,6,7,8-HpCDD (adjusted to TEQs) were calculated for the NHANES data set corresponding to each site, using the WHO 2005 TEF values. (For concentrations below the detection limit in the NHANES data set, CDC assigned a value of the detection limit divided by the square root of two [CDC, 2005].) The mean, maximum, 50th percentile, 75th percentile, 90th percentile, 95th percentile, and standard deviation for total 2,3,7,8-TCDD TEQs, OCDD, and 1,2,3,4,6,7,8-HpCDD concentrations were calculated.

Statistical Analysis

Statistical analysis of the data sets was used to determine if the cohorts' total 2,3,7,8-TCDD-TEQ, OCDD (adjusted to TEQs) and 1,2,3,4,6,7,8-HpCDD (adjusted to TEQs) blood lipid concentrations are statistically different and greater than in the general U.S. population of the same age range. The Statistics Online Computational Resource (SOCR) software developed by the University of California Los Angeles (UCLA) was used for the analysis of the data (UCLA, 2007). The combined four communities, individual community, and NHANES data sets are not normally distributed. Therefore, the Wilcoxon rank-sum test, a nonparametric test for assessing whether two samples of observations come from the same distribution, was used to evaluate the data sets.

The Wilcoxon rank-sum tests the null hypothesis that the two sample sets are drawn from a single population, and therefore their probability distributions are equal. The samples must be independent, and the observations must be continuous measurements. The Wilcoxon rank-sum test generates a z-score and p-value for the data sets. A positive z-score indicates that group A (NHANES) values exceed group B (individual site) values, and a negative z-score indicates that group B values exceed group A values. The further the z-score is from zero, the greater the disparity between group A and B. The p-value is the probability that two groups of data sets come from the same population.

Statistical analysis was performed for total 2,3,7,8-TCDD TEQ (all 17 carcinogenic

TABLE 1

Attic Dust Sampling TEQ Concentrations

Site	Sample Number	OCDD Concentration Adjusted to 2,3,7,8-TCDD TEQ (ng/kg)	1,2,3,4,6,7,8-HpCDD Concentration Adjusted to 2,3,7,8-TCDD TEQ (ng/kg)	Total 2,3,7,8-TCDD TEQ Concentration (ng/kg)
Grenada, MS	1	16.80	91.60	292.14
	2	4.80	20.70	66.87
	3	20.43	109.00	309.33
	4	5.22	30.60	109.99
	5	18.15	39.60	112.92
	6	7.80	39.40	121.67
	7	1.40	4.79	16.70
	8	6.18	31.50	111.70
	9	1.91	7.41	59.20
	10	28.92	58.30	148.41
	11	0.80	2.78	13.30
	12	3.48	9.08	40.44
	13	5.25	29.70	382.84
	14	15.36	28.00	116.22
Site UCL		15.98	58.34	214.00
Site mean		9.75	35.89	135.80
Site median		5.72	30.15	112.30
Pineville, LA	15	5.73	24.40	447.06
	16	22.56	101.00	294.80
	17	21.63	106.00	301.99
	18	64.50	355.00	940.90
	19	1.27	6.84	28.29
	20	4.05	28.20	215.39
	21	27.12	112.00	301.63
	22	495.00	1690.00	3436.56
	23	36.60	232.00	783.40
	24	6.18	26.40	118.76
	25	3.57	15.50	59.72
	26	27.42	85.80	313.25
	27	0.76	2.32	11.36
	28	15.99	56.30	164.68
Site UCL		258.20	516.50	1045.00
Site mean		52.31	203.00	529.80
Site median		18.81	71.05	298.20

continued on page 6

dioxin/furan congeners), OCDD (adjusted to its TEQ value), and 1,2,3,4,6,7,8-HpCDD (adjusted to its TEQ value) blood lipid concentrations for the combined four communities and the individual communities against the NHANES data set. The age-range of the NHANES data set was adjusted to match each comparison group.

Results

Attic Dust Samples

Table 1 displays the total 2,3,7,8-TCDD toxic equivalencies (TEQs), OCDD concentrations adjusted to 2,3,7,8-TCDD TEQs, and 1,2,3,4,6,7,8-HpCDD concentrations adjusted to 2,3,7,8-TCDD TEQs, for the attic dust sam-

ples collected at each site. The table presents the upper confidence limit (UCL), mean, and median concentrations for each site. Additionally, the table presents the summary statistics of the pooled samples from all four locations. The mean total 2,3,7,8-TCDD TEQs, OCDD (TEQs), and 1,2,3,4,6,7,8-HpCDD (TEQs) for the four sites combined as one data set were

TABLE 1 *continued from page 5*

Attic Dust Sampling TEQ Concentrations

Site	Sample Number	OCDD Concentration Adjusted to 2,3,7,8-TCDD TEQ (ng/kg)	1,2,3,4,6,7,8-HpCDD Concentration Adjusted to 2,3,7,8-TCDD TEQ (ng/kg)	Total 2,3,7,8-TCDD TEQ Concentration (ng/kg)
Alexandria, LA	29	90.00	273.00	540.97
	30	6.51	44.70	208.51
	31	15.27	74.60	220.35
	32	2.50	8.26	31.83
	33	26.61	99.30	351.73
	34	8.43	44.80	143.89
	35	1.83	6.46	225.63
	36	0.73	2.63	31.73
	37	5.46	26.50	75.41
	38	9.00	89.40	331.16
	39	34.20	199.00	418.09
	40	11.22	36.10	81.96
	41	2.17	10.20	38.89
	42	1.84	7.31	46.76
	43	51.30	199.00	756.82
	44	7.50	40.00	119.60
	45	15.00	35.00	133.89
	46	135.00	720.00	1151.28
	47	11.40	56.00	164.49
	48	14.40	53.00	153.33
	49	330.00	2700.00	3936.13
Site UCL		91.78	509.50	880.00
Site mean		37.16	225.00	436.30
Site median		11.22	44.80	164.50
Florida, AL	50	3.60	19.00	80.86
	51	3.90	20.00	78.21
	52	9.00	77.00	283.33
	53	1.02	5.80	77.99
	54	0.78	4.70	55.97
	55	1.59	7.90	43.88
	56	0.69	2.70	8.16
	57	2.31	6.60	23.98
	58	11.70	71.00	359.85
	59	0.72	5.90	30.40
	60	17.10	59.00	640.79
Site UCL		9.42	50.93	318.40
Site mean		4.77	25.42	153.00
Site median		2.31	7.90	77.99
Combined sample	Total of 60 samples			
Maximum		495.00	2700.00	3936.13
UCL		39.26	186.70	445.60
Mean		28.36	139.20	336.10
Median		7.65	35.55	138.90
U.S. EPA RSL		4.5	4.5	4.5

TABLE 2

Data Statistical Summary for TEQ Blood Lipid Concentrations

Contaminant	Location	Grenada, MS	NHANES Control Group (44-88)*	Pineville, LA	NHANES Control Group (34-80)*	Alexandria, LA	NHANES Control Group (37-73)*	Florala, AL	NHANES Control Group (25-76)*	All Four Communi- ties	NHANES Control Group (25-88)*
Total 2,3,7,8- TCDD TEQs (ng/kg)	Mean	53.41	20.75	129.29	16.67	61.23	17.21	162.04	14.32	102.67	16.45
	Max	332.51	103.70	381.95	103.70	127.80	103.70	267.23	76.54	381.95	103.70
	95th percentile	123.86	44.62	303.00	34.76	105.08	34.92	238.15	30.75	237.39	38.26
	90th percentile	84.99	34.70	224.05	28.40	82.37	29.16	234.35	25.43	214.14	30.47
	75th percentile	50.88	25.44	155.30	21.69	70.87	22.07	202.59	18.62	131.96	21.48
	Median (50th %)	31.42	17.92	105.49	14.57	58.35	15.31	159.69	12.23	80.66	13.38
	Standard deviation	67.66	12.69	102.03	10.51	27.52	10.59	52.95	9.23	80.82	11.89
	Sample size	22	737	11	859	11	773	21	1003	65	1159
OCDD (2,3,7,8- TCDD TEQs, ng/kg)	Mean	0.39	0.13	0.62	0.11	0.26	0.11	0.42	0.09	0.42	0.11
	Max	1.69	0.98	3.68	0.98	0.59	0.98	1.72	0.98	3.68	0.98
	95th percentile	0.88	0.32	2.32	0.28	0.53	0.28	0.91	0.24	0.95	0.29
	90th percentile	0.69	0.26	0.96	0.22	0.47	0.22	0.83	0.19	0.80	0.22
	75th percentile	0.39	0.17	0.35	0.14	0.29	0.14	0.54	0.11	0.46	0.13
	Median (50th %)	0.28	0.10	0.26	0.08	0.21	0.08	0.37	0.07	0.27	0.08
	Standard deviation	0.35	0.11	1.04	0.09	0.15	0.09	0.41	0.08	0.53	0.09
	Sample size	22	724	11	847	11	761	21	987	65	1140
1,2,3,4,5,6, 7,8,-HpCDD (2,3,7,8- TCDD TEQs, ng/kg)	Mean	1.26	0.51	1.69	0.44	1.05	0.45	2.37	0.39	1.66	0.42
	Max	4.67	4.56	9.09	4.56	3.54	4.56	7.60	4.56	9.09	4.56
	95th percentile	3.75	1.27	6.02	1.09	2.97	1.11	6.62	0.96	4.50	1.06
	90th percentile	2.19	0.95	2.94	0.88	2.40	0.89	3.50	0.76	3.42	0.83
	75th percentile	1.19	0.66	1.30	0.58	0.95	0.60	2.70	0.50	2.20	0.55
	Median (50th %)	0.85	0.41	0.82	0.35	0.70	0.36	1.87	0.30	0.97	0.32
	Standard deviation	1.07	0.43	2.57	0.38	1.01	0.38	1.77	0.35	1.68	0.42
	Sample size	22	734	11	856	11	770	21	1000	65	1155

* The NHANES control groups were designated by narrowing the NHANES data set to subjects whose ages fell within the age range of each community. Only subjects within the age range of a given community were included in the statistical comparison.

TABLE 3

Wilcoxon Rank-Sum Test for Two Samples Assuming Unequal Variances

Contaminant	Location	Grenada, MS	NHANES Control Group (44-88)*	Pineville, LA	NHANES Control Group (34-80)*	Alexandria, LA	NHANES Control Group (37-73)*	Florala, AL	NHANES Control Group (25-76)*	All Four Communities	NHANES Control Group (25-88)*
Total 2,3,7,8-TCDD TEQs (ng/kg)	Mean (ng/kg)	53.41	20.75	129.29	16.67	61.23	17.21	162.04	14.32	102.67	16.45
	Rank sum	13260	275161	9423	369462	8380	299340	21294	503506	73614	676087
	Test statistics	3208	13007	92	9357	189	8314	0	21063	3867	71469
	Z-score	-4.84		-5.59		-5.45		-7.85		-12.19	
	P (T ≤ t) 1-tail	0.000		0.000		0.000		0.000		0.000	
	P (T ≤ t) 2-tail	0.000		0.000		0.000		0.000		0.000	
	Sample size	22	737	11	859	11	773	21	1003	65	1159
OCDD (2,3,7,8-TCDD TEQs, ng/kg)	Mean (ng/kg)	0.39	0.13	0.62	0.11	0.26	0.11	0.42	0.09	0.42	0.11
	Rank sum	14248	264384	8589	359921	7386	290993	16731	491805	66350	660266
	Test statistics	1934	13995	793	8523	1052	7320	4227	16500	9896	64205
	Z-score	-6.06		-4.73		-4.27		-4.65		-9.95	
	P (T ≤ t) 1-tail	0.000		0.000		0.000		0.000		0.000	
	P (T ≤ t) 2-tail	0.000		0.000		0.000		0.000		0.000	
	Sample size	22	724	11	847	11	761	21	987	65	1140
1,2,3,4,6,7,8-HpCDD (2,3,7,8-TCDD TEQs, ng/kg)	Mean (ng/kg)	1.26	0.51	1.69	0.44	1.05	0.45	2.38	0.39	1.66	0.42
	Rank sum	13807	272340	7523	368754	6540	298832	20794	500937	68345	676465
	Test statistics	2595	13554	1958	7457	1997	6474	437	20563	8875	66200
	Z-score	-5.43		-3.33		-3.01		-7.53		-10.37	
	P (T ≤ t) 1-tail	0.000		0.000		0.001		0.000		0.000	
	P (T ≤ t) 2-tail	0.000		0.001		0.003		0.000		0.000	
	Sample size	22	734	11	856	11	770	21	1000	65	1155

* The NHANES control groups were designated by narrowing the NHANES data set to subjects whose ages fell within the age range of each community. Only subjects within the age range of a given community were included in the statistical comparison.

336.10 ng/kg, 28.36 ng/kg, and 139.20 ng/kg, respectively. Each of these values exceeds the U.S. EPA RSL for dioxins in residential soil, which is 4.5 ng/kg of 2,3,7,8-TCDD.

Blood Samples

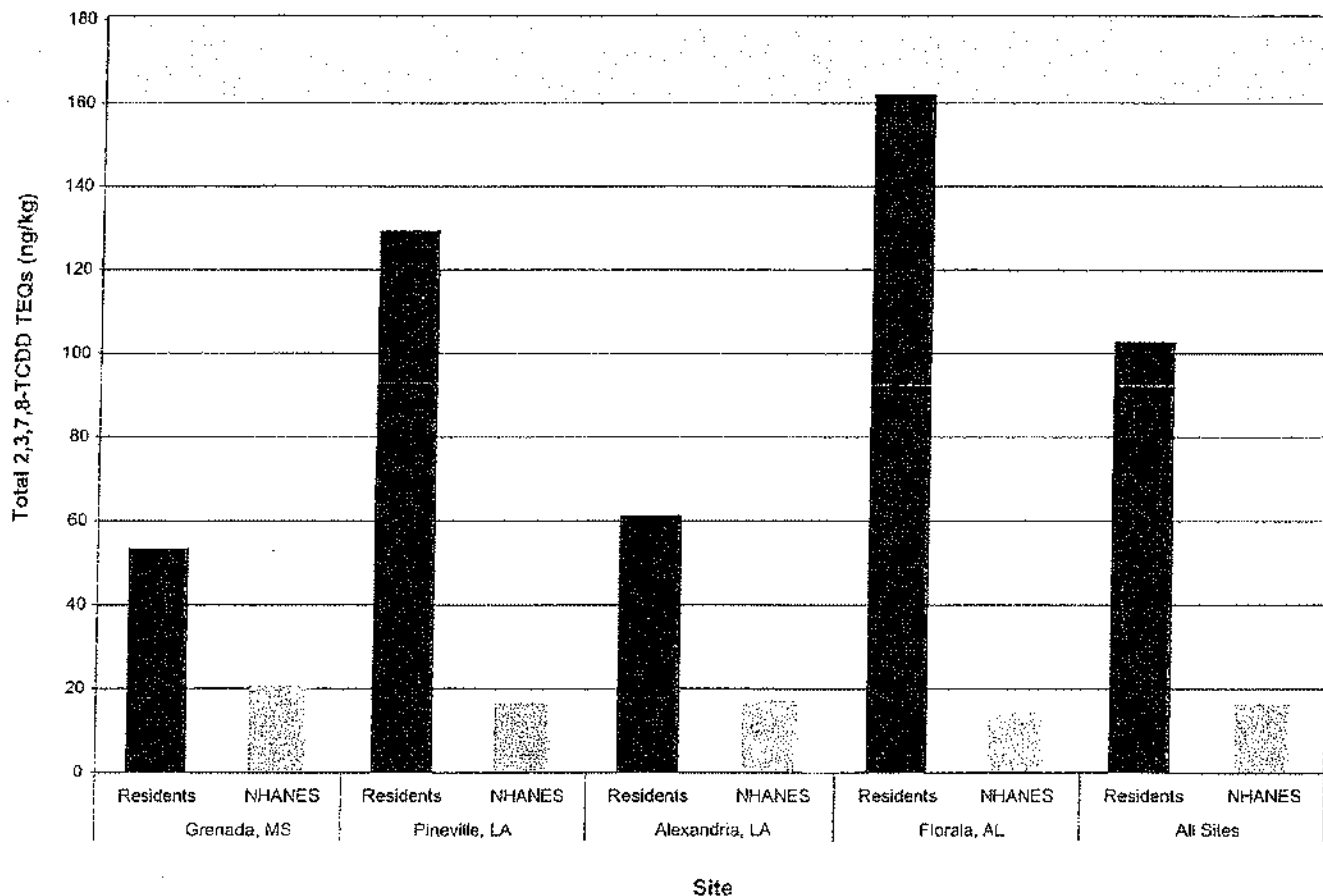
Table 2 presents a summary of the distribution of concentrations of total 2,3,7,8-TCDD TEQs, OCDD (adjusted to TEQs),

and 1,2,3,4,6,7,8-HpCDD (adjusted to TEQs) for the blood lipid samples from each site and from the NHANES data set. The NHANES data set was considered a national control group reflecting the distribution of blood lipid TEQ concentrations in a normal population. For comparative purposes, only the subjects in the NHANES data set falling within the age range of each

respective community's participants were included in the samples. The age ranges of the communities were 44-88 for Grenada, 34-80 for Pineville, 37-73 for Alexandria, and 25-76 for Florala. The Grenada data set had on average twice the total 2,3,7,8-TCDD TEQs as the corresponding control group, with a mean concentration 53.41 ng/kg compared to 20.75 ng/kg from the

FIGURE 3

Total 2,3,7,8-TCDD TEQ Concentrations in Blood Lipid



NHANES data set. Pineville, Alexandria, and Florala had eight, four, and 10 times the total 2,3,7,8-TCDD TEQs, respectively, as the NHANES data sets of equivalent age ranges. The concentrations of 2,3,7,8-TCDD TEQs, OCDD (adjusted to TEQs), and 1,2,3,4,6,7,8-HpCDD (adjusted to TEQs) for the pooled samples from all four sites were 102.67 ng/kg, .42 ng/kg, and 1.66 ng/kg. These values are approximately six, four, and four times the concentrations found in the NHANES data set for the equivalent 25–88 age range.

Table 3 presents the results of a two-sample Wilcoxon rank sum test assuming unequal variances, which attempted to describe the likelihood of the blood samples collected coming from the same population as the NHANES data set. The statistical analysis

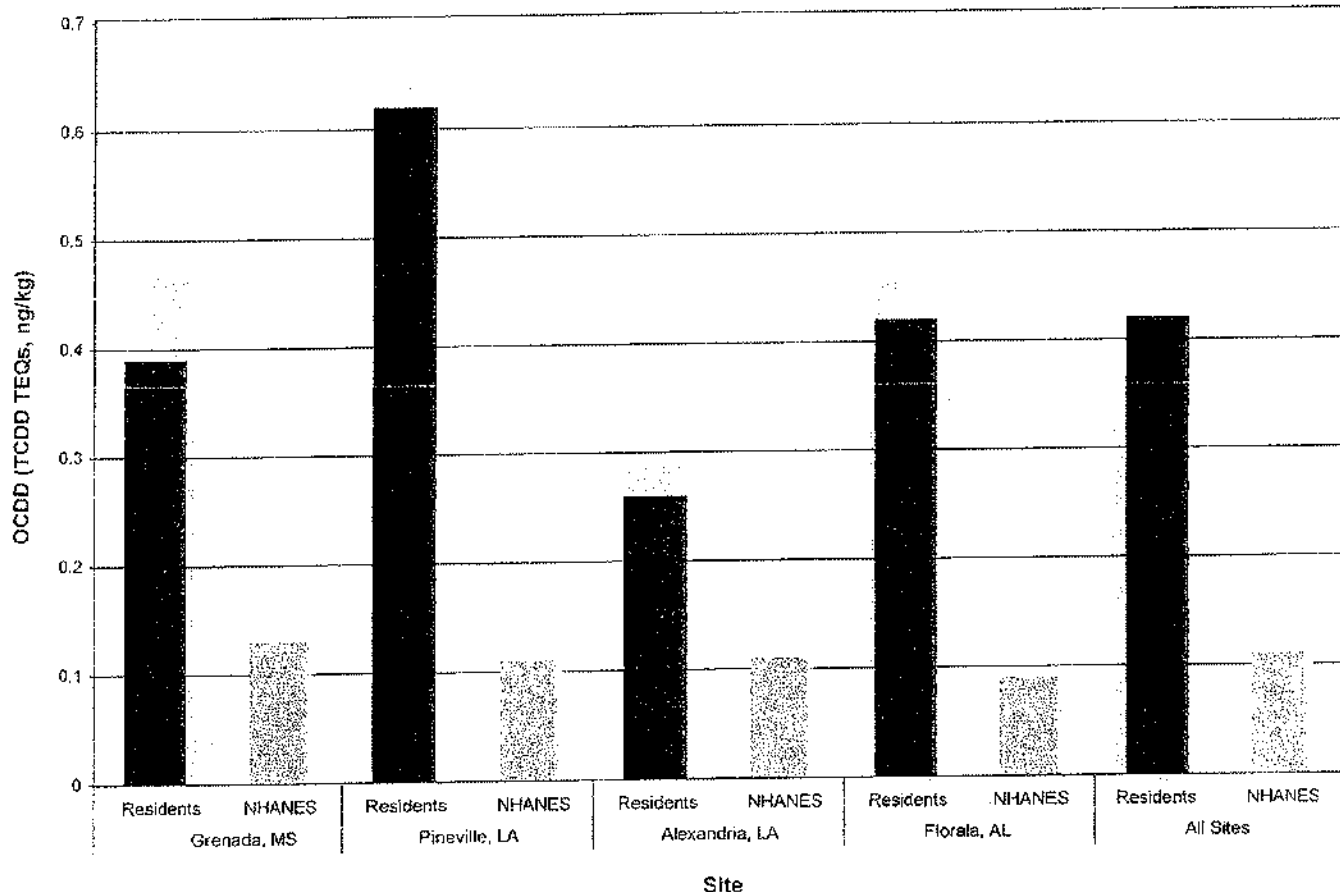
is presented in the form of probabilities describing the chance of the site data set and NHANES data set being representative of the same population based on their respective means and distributions. A statistical analysis of the pooled data is given as well. Any probability below .05 is typically considered significant in statistical analysis between two samples. The *p*-value determined in each analysis was .000, with the exception of 1,2,3,4,6,7,8-HpCDD for Alexandria.

Figure 3, Figure 4, and Figure 5 present the TEQ concentrations found in the blood samples from the four locations and the NHANES control group. Figure 3 uses the mean total 2,3,7,8-TCDD TEQ concentrations from each community for visual comparison to the mean 2,3,7,8-TCDD TEQs reported in the NHANES data set.

The figure illustrates that the means from the communities are at least twice as high as the corresponding control group, and the mean for the combined data set is over five times the NHANES average. Figure 4 presents the mean OCDD concentration for each site, along with the corresponding NHANES data set. Again, each individual site's mean is at least twice that of the corresponding NHANES data set. Figure 5 presents the mean 1,2,3,4,6,7,8-HpCDD concentration for each site, along with the corresponding NHANES data set. The graph illustrates that levels of 1,2,3,4,6,7,8-HpCDD concentrations are consistently higher in the samples collected than in the national control group, with the mean of all four sites being nearly four times that of the corresponding NHANES data set.

FIGURE 4

OCDD Concentrations in Blood Lipid



Discussion

Attic Dust Samples

The levels of dioxins and furans (total TEQ concentrations) in attic dust were compared to U.S. EPA's RSLs and found to exceed the levels that are regarded as safe for the general population (U.S. EPA, 2008).

The attic dust samples have significantly elevated OCDD and 1,2,3,4,6,7,8-HpCDD levels. The elevated OCDD and 1,2,3,4,6,7,8-HpCDD levels are consistent throughout the sampled homes. A similar pattern was also observed in Dahlgren and co-authors (2003, 2007), and Hensley and co-authors (2007) studies, which evaluated the impact of wood treatment facilities on local communities using attic dust as a parameter of evidence for historic exposure to airborne pollutants. This pattern indicates that

hazardous material originating from the wood treatment facilities traveled off site, impacting the surrounding residential areas. The elevated levels of dioxins and furans in attic dust show that the residential areas surrounding the Pineville, Alexandria, Grenada, and Florala facilities have been exposed to dust that potentially contained unsafe levels of these contaminants.

Blood Samples

The results of the statistical analyses of the concentrations of total 2,3,7,8-TCDD TEQ (all 17 carcinogenic dioxin/furan congeners), OCDD (adjusted to its TEQ value), and 1,2,3,4,6,7,8-HpCDD (adjusted to its TEQ value) blood lipid concentrations demonstrate that the populations surrounding the wood treatment facilities combined and individually have statistically higher TEQs in

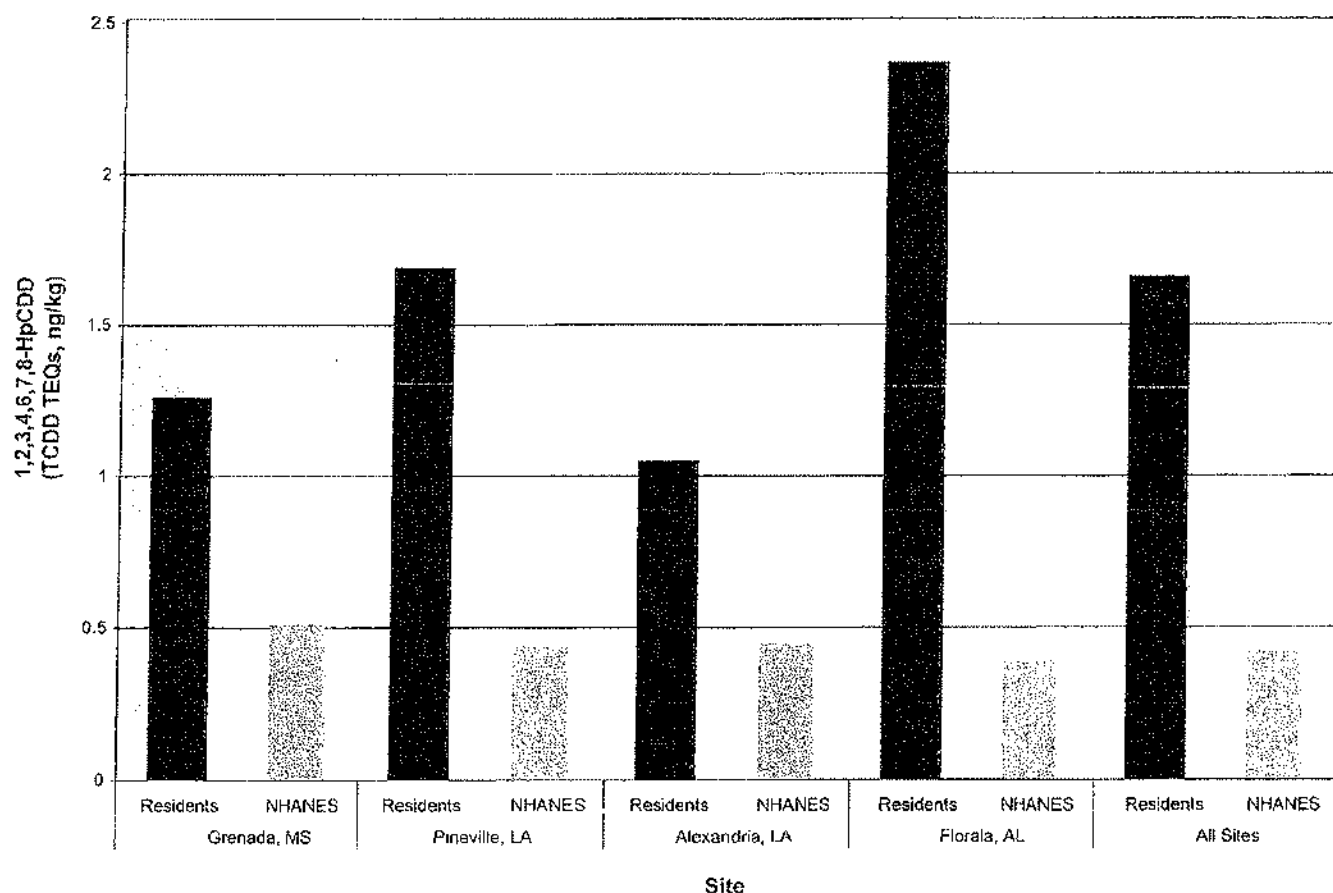
blood lipid than the general population of the U.S. of the same age range ($p < .05$).

Table 2 and Figures 3–5 present the data and its statistical summary for the communities and NHANES TEQ blood lipid data. The mean TEQs for all congeners at each of the sites and the combined data set are consistently higher than the corresponding NHANES data set that was used for comparison, with each value being at least twice that of NHANES.

Table 3 presents the Wilcoxon rank-sum test data outputs comparing the NHANES data set to the combined four communities and the four individual communities' TEQ blood lipid data sets. The Wilcoxon rank-sum test was used to determine the probability of the blood sample communities and the NHANES data subjects being drawn

FIGURE 5

1,2,3,4,6,7,8-HpCDD Concentrations in Blood Lipid



from congruent populations with the same true mean and distribution. If the probability that the two samples were drawn from congruent populations is less than .05, then there is significant evidence supporting the claim that there is an inherent difference in the populations from which they were drawn. Only two of the *p*-values presented in Table 3 were above .000, and these values were nearly zero (.001 and .003). The results of the Wilcoxon rank sum test demonstrated that there is significant reason to believe that the samples do not come from populations described by equal parameters, such as mean and distribution. The levels of total TCDD TEQs, OCDD, and 1,2,3,4,6,7,8-HpCDD were consistently significantly higher than the national control groups described by the NHANES data set.

Conclusion

A study in Germany determined that ambient air and soil deposition concentrations of PCDDs and PCDFs near a large point source performing industrial thermal processes were significantly higher than in general urban or rural areas (Fiedler, 1996). Exposure to chemicals such as dioxins, furans, and PAHs has been correlated with increased risk of developing a variety of diseases. Exposure to dioxins and furans can lead to endocrine disruption, reproductive & developmental defects, immunotoxicity, hepatotoxicity, neurotoxicity, and a variety of cancers (ATSDR, 1994, 1998; Mandal, 2005; Schecter & Gasiewicz, 2003). Additionally, exposure to PCDDs and PCDFs has been linked to myeloid leukemia, chloracne, hemorrhaging, and carcinogenic effects, as well as promoting increased risk of

cardiovascular and respiratory diseases (Bertazzi et al., 2001; Geyer et al., 2002; Pesatori et al., 1998). Exposure to PAHs can increase the risk of developing breast, lung, and skin cancer, leukemia, respiratory toxicity, and reproductive toxicity (ATSDR, 1995; Bostrom et al., 2002). Exposure to a mixture of dioxins, furans, and PAHs may significantly increase the risk of developing adverse health effects since these chemicals may have additive and synergistic properties (Carpenter, Arcaro, & Spink, 2002).

Similar to other studies that have investigated exposure from residing near wood treatment facilities (Dahlgren et al., 2003, 2007; Hensley et al., 2007), the levels of dioxins and furans found in human blood in this study further demonstrate that the residential areas have been and are being exposed to poten-

tially unsafe levels of these contaminants due to past management practices of these wood treatment facilities. The pattern of dioxins and furans found in the blood samples is consistent with dust generated during the incineration of PCP and creosote-treated wood. The residents near the wood treatment facilities also have statistically higher concentrations of total 2,3,7,8-TCDD TEQs and the specific congeners associated with PCP in blood than the general population of the U.S. of the same age range. Furthermore, considering dioxin's long half-life in blood, these concentrations are even more significant. Comparing the exposure of residents around these similar sites gives insight into the pattern of exposure that

communities adjacent to other wood treatment facilities might experience.

Our study was limited, for it focused on only two select congeners out of the 75 dioxin and 135 furans that exist, and only looked at the sum of 17 dioxin/furan congeners to evaluate total TEQs. Analysis of other congeners could prove to be equally if not more significant, considering certain other congeners have higher toxicity values than the congeners selected for study here. Larger sample sizes for both attic and dust sampling would improve the statistical analysis as well. Also, while all persons used for blood sampling lived near the identified wood treatment facilities for at least several years, the relative contribution

of chemicals in blood derived from the wood treatment facilities versus other sources and other locations is unknown. A further uncertainty of the study involves being unable to determine whether the elevated dioxin/furan levels in blood lipid resulted from current or historic exposure to contaminants released from the wood treatment facilities. The presence of dioxins and furans in attic dust demonstrates that historic exposure was certainly a valid exposure pathway. ☐

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continued on page 13

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Pettigrew, George

From: Runnels, Charlotte
Sent: Monday, June 24, 2013 11:42 AM
To: Pettigrew, George; Anderson, Israel
Subject: RE: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST

Okay, when you have a chance. Our conversation will be on general issues related to the report and her concerns.

From: Pettigrew, George
Sent: Monday, June 24, 2013 11:28 AM
To: Runnels, Charlotte
Subject: RE: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST

Sorry, I've been out and haven't had a chance to review.

George

From: Runnels, Charlotte
Sent: Monday, June 24, 2013 10:38 AM
To: Pettigrew, George; Anderson, Israel
Subject: FW: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST

George,

Israel and I have a scheduled call with Ms. Agnes @ 1:00 today regarding the attached report on Dioxin Furan and Blood Lipid and Attic Dust. Do you have comments on the document? Thanks

From: Runnels, Charlotte
Sent: Tuesday, May 21, 2013 1:28 PM
To: Anderson, Israel; Pettigrew, George
Subject: FW: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST

FYI

From: Jean Francisco [<mailto:ajwfran@yahoo.com>]
Sent: Tuesday, May 21, 2013 1:15 PM
To: Runnels, Charlotte
Subject: Fw: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST

----- Forwarded Message -----

From: Jean Francisco <ajwfran@yahoo.com>
To: "devito.steve@epa.gov" <devito.steve@epa.gov>
Sent: Sunday, May 19, 2013 2:14 PM
Subject: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST
MR. DEVITO,

CRUCIAL INFORMATION, PLEASE READ THIS ATTACHMENT. I sent a package to Washington to Dir. Lisa Jackson's office on April 5, 2010, this was included, and it was forwarded to Region 6. Please help me to get this to the right person in Washington. The attachment include Alexandria, La. (Durawood Creosote Plant), Pineville, La. (Colfax Treating Co.) and two other creosote plant. Again, I really need your help. Thank you for everything you have done and thank you in advance for everything that you will do for this and other communities.

With warm regards,

Agnes W. Francisco

FOIA Exemption 6-Personal Privacy



Charlotte,

Please read this attachment and forward to Isreal Anderson. Thanks for everything you do.

Agnes W. Francisco

Pettigrew, George

From: Anderson, Israel
Sent: Monday, June 17, 2013 4:39 PM
To: Pettigrew, George
Subject: FW: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST
Attachments: Fle 4.pdf

George,
Would you look at the attachment here and give me so feedback on this study.

From: Runnels, Charlotte
Sent: Monday, June 17, 2013 3:59 PM
To: Anderson, Israel
Subject: FW: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST

Israel, I had a long conversation with Ms. Agnes regarding the attached document, can we setup a call with just our office and her on Mon/Tues next week? Let me know.

Charlotte

From: Jean Francisco [<mailto:ajwfran@yahoo.com>]
Sent: Tuesday, May 21, 2013 1:15 PM
To: Runnels, Charlotte
Subject: Fw: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST

----- Forwarded Message -----

From: Jean Francisco <ajwfran@yahoo.com>
To: "devito.steve@epa.gov" <devito.steve@epa.gov>
Sent: Sunday, May 19, 2013 2:14 PM
Subject: DIOXIN FURAN BLOOD LIPID AND ATTIC DUST
MR. DEVITO,

CRUCIAL INFORMATION, PLEASE READ THIS ATTACHMENT. I sent a package to Washington to Dir. Lisa Jackson's office on April 5, 2010, this was included, and it was forwarded to Region 6. Please help me to get this to the right person in Washington. The attachment include Alexandria, La. (Durawood Creosote Plant), Pineville, La. (Colfax Treating Co.) and two other creosote plant. Again, I really need your help. Thank you for everything you have done and thank you in advance for everything that you will do for this and other communities.

With warm regards,

Agnes W. Francisco
FOIA Exemption 6-Personal Privacy



Charlotte,
Please read this attachment and forward to Isreal Anderson. Thanks for everything you do.

Pettigrew, George

From: Anderson, Israel
Sent: Thursday, January 23, 2014 8:44 AM
To: Pettigrew, George
Subject: RE: Durawood Creosote Plant

EPA has not received such a request that I'm aware of. Agness told me on Tuesday during a conversation with her that she had submitted the FOIA to Atlanta.

From: Pettigrew, George
Sent: Thursday, January 23, 2014 8:42 AM
To: Anderson, Israel
Subject: Durawood Creosote Plant

Israel, ATSDR Atlanta has received a FOIA request from Agnes W. Francisco for records associated with the Durawood Creosote Plant. We are providing our info to also include Colfax (although this might not be needed). Has EPA received a similar FOIA request?

George

Lyke, Jennifer

From: Dianne Dugas [Dianne.Dugas@LA.GOV]
Sent: Thursday, April 25, 2013 3:16 PM
To: Raoult Ratard; Lyke, Jennifer
Cc: Eman Williams; Kathleen Aubin; Shannon Soileau; Pettigrew, George; tom.harris@la.gov; Luann E White; Kellam, Jeffrey (Jeff) (ATSDR/DCHI/CB) (jyk9@cdc.gov)
Subject: RE: Colfax litigation

Agreed

From: Raoult Ratard
Sent: Thursday, April 25, 2013 3:11 PM
To: Dianne Dugas; Lyke.Jennifer@epa.gov
Cc: Eman Williams; Kathleen Aubin; Shannon Soileau; Pettigrew.George@epamail.epa.gov; Tom Harris; Luann E White; Kellam, Jeffrey (Jeff) (ATSDR/DCHI/CB) (jyk9@cdc.gov)
Subject: RE: Colfax litigation

And Dianne forgot to add that such pseudo-scientific door to door health survey are nothing more than a fishing expedition with no scientific value whatsoever. Such surveys look good when announced. They do not look so good when the feedback is not conclusive. I would strongly advise our Department to stay away from such a snake oil approach to address problems.

Raoult Ratard MD, MS, MPH&TM
State Epidemiologist
Louisiana Office of Public Health
1450 Poydras, Ste 2159, New Orleans, LA 70112,
(504) 458-5428
raoult.ratard@la.gov

From: Dianne Dugas
Sent: Thursday, April 25, 2013 12:12 PM
To: Lyke.Jennifer@epa.gov
Cc: Eman Williams; Kathleen Aubin; Shannon Soileau; Raoult Ratard; Pettigrew.George@epamail.epa.gov; Tom Harris; Luann E White; Kellam, Jeffrey (Jeff) (ATSDR/DCHI/CB) (jyk9@cdc.gov)
Subject: RE: Colfax litigation

Jennifer, it is my understanding that you and the environmental justice staff with Region 6 have been working with Ms. Francisco to address her health concerns related to the Colfax creosote facility located in Alexandria, La. LDHH has reviewed environmental data related to the site and written a Health Consult which is currently being finalized by ATSDR. We have also written a very thorough letter to Ms. Francisco addressing her environmental and health concerns. I believe that you have copies of both these documents.

Most recently, you forwarded to us an extensive list of reported health outcomes experienced by community members over decades. Apparently, Region 6 received (may have even requested) the list from Ms. Francisco and you asked LDHH to do a health study. In order to review and comment on the diseases provided to Region 6, LDHH, LTR, and LDEQ met with Ms. Francisco and community members last week to further explain our environmental data assessments, the limits of scientific interpretation of current data in determining a causal relationship with past exposures and illnesses, and ask for more specific individual health information from the community for cancer further evaluation.

I am not aware that we have ever been invited to participate in any of the conversations among EPA, ATSDR, and Ms. Francisco that have focused on the feasibility of a "health study" in her community and we certainly have not had a conversation with any agency or individual about a door to door health study of any kind. I don't know what Ms. Francisco has in mind nor do I know what Region 6 has suggested to her is possible but I strongly recommend that, in the

future, we all collaborate regarding our work in this community. It appears that, as things are working now, Region 6 (EPA and/or ATSDR) speaks with Ms. Francisco and then either party may call us to let us know what has been decided as the next public health steps to take in Louisiana and how LDHH should complete them – at one point it was reported to me that Ms. Francisco said to us that she was told that LDHH would have to follow up as directed because we are being paid by ATSDR to do the work. Of course, that was just hearsay but it does demonstrate the poor communication and planning that is going on among the agencies at this site.

From: Kathleen Aubin
Sent: Thursday, April 25, 2013 10:15 AM
To: Dianne Dugas
Cc: Eman Williams
Subject: FW: Colfax litigation

Fyi.. please see below Jennifer Lyke's email to Eman regarding Colfax...

Thanks,

Kathleen Aubin
Environmental Health Scientist Supervisor
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
1450 Poydras St., Suite 1640
New Orleans, La. 70112
Phone # 504-568-8144
Fax #: 504-568-8149
Email: kathleen.aubin@la.gov

From: Eman Williams
Sent: Thursday, April 25, 2013 10:13 AM
To: Kathleen Aubin
Subject: FW: Colfax litigation

From: Lyke, Jennifer [<mailto:Lyke.Jennifer@epa.gov>]
Sent: Thursday, April 25, 2013 10:07 AM
To: Eman Williams
Subject: FW: Colfax litigation

Eman,
Wondering what followup has occurred on this? It seemed like Dr. Ratard got the wrong impression on what Agnes was asking for.
Jennifer

From: Raoult Ratard [<mailto:Raoult.Ratard@LA.GOV>]
Sent: Friday, April 19, 2013 6:19 PM
To: Dianne Dugas; Runnels, Charlotte; Lyke, Jennifer; Fagan, Nancy; Anderson, Israel
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
Subject: Colfax litigation

In a rational world, issues must be addressed rationally.

Quotes from the letter sent to Ms. Francisco, a concerned citizen about health effects experienced in her neighborhood state:

1-"Although both PCP and CCA have been linked to cancer, identifying the causes of the cancers in your location was challenging because the residents were diagnosed with different types of cancers which have different risk factors. Since there were a small number of particular types of cancers in your neighborhood, it is not possible to determine if the cancer rates are higher than expected. Since many of the residents who had been diagnosed with cancer lived in the community for different lengths of time and had different occupations, it is difficult to link the cancer to a specific exposure and to determine when, or if, they came in contact with the cancer causing agent".

2-"LDEQ Steve Archibald stated that he had visited your home on January 25, 2010 and revisited your area on June 15, 2010 to conduct an inspection at the former Durawood facility and to identify the potential pathways for exposure to wood preserving and treatment chemicals. Mr. Archibald stated that based on the information that was collected during their inspection, the LDEQ was not able to identify current potential pathways for exposure to wood preserving and treatment chemicals from surface water, sediments, soil and groundwater".

3- "You also mentioned that you were concerned about lupus... LDHH also conducted a literature review to find out if lupus has been linked to any chemicals that are found in creosote. The staff was unable to find any information that linked creosote exposure to lupus".

4-"Graves Disease... The staff was unable to find any information linking thyroid conditions to creosote".

5-"Although the environment plays an important role in human development and health, it is difficult to determine how chemicals that are found in the environment affect our health because there are many risk factors that determine if a person will develop a particular disease such as thyroid conditions, cancer and lupus. These health conditions can be caused by a variety of factors ranging from genetic and environmental to behavioral (diet and other personal habits) and occupational. Researchers have been able to make links between some environmental hazards with specific diseases such as exposure to asbestos and lung cancer. Others are believed to exist but further research is needed to make these associations".

6-The health preliminary review of Colfax treating company, Alexandria facility, Rapides Parish, Louisiana states: "Exposure Pathway: No routes of exposure exist between residual groundwater contaminants or soil contaminants at the site and the public". and under the section "Conclusions: Based upon the most recent environmental data review (groundwater samples collected in April 2010 and soil samples collected in 2004), SEET concludes that the groundwater and soil at the Colfax-Alexandria site will not harm people's health because under current site conditions, no routes of exposure exist between residual groundwater contaminants or soil contaminants at the site and the public".

Have any of the conclusions been invalidated by any new data? Why do a house to house survey?

1-This kind of house to house survey is the worst approach one can imagine. We have no hypothesis on any environmental agent with a pathway to the population, no hypothesis on which illness condition we would be looking for. We know that one person identified the following conditions (Cardiovascular Disease (not specified), Heart mummer, Hypertension, Blood disorder, Enlarged heart, Arrhythmia, Diabetes (type 2), Juvenile Diabetes, Stroke, Respiratory Problems (not specified), Sinus, Asthma, Allergies, Sleep Apnea, Lupus, Skin Disease (not specified), Eczema, Fibromyalgia, Arthritis, Rashes (not specified), Rashes (stomach, arm, face, hands), Hysterectomy, Miscarriages, Low-birth weight, Underweight full-term offspring (4lbs), Female Infertility, Male infertility, Prostate problems (not specified), Dizziness, Abnormal growth on the neck, Abnormal growth on the head, TB, Diptheria, ALS, Gallbladder, Paralysis (from waist), Seizures, Enlarged Spleen, Headaches, Spots on liver, All organ stuck together (female). Including the repeat conditions there 172 conditions.

2-A house to house survey is very difficult to organize. People are not at home during the day. Contact has to be made in the evening at a time when many people are involved in other activities such as cooking, eating dinner, checking home work and watching TV. Besides there are some issues with the safety of the surveyors traipsing around neighborhood at dusk.

3-Compiling all this data would take an enormous amount of staff time. Even if the data was delivered to you on a silver platter, what would you do with it after weeks of data entry. No definite conclusions can be reached when one has no rational hypothesis to start with.

4-The issue is already in litigation (<http://wiki.legalexaminer.com/topic/colfax-treating-co.aspx>;). The Louisiana Supreme Court made a negative decision on class certification (<http://www.edwardswildman.com/files/upload/WestlawBAustin.pdf>). There is absolutely no public health benefit to inject DHH/OPH into such a contentious issue.

In a 40 years as an epidemiologist I have never heard of such a crazy idea. Could we try to be a little more reasonable here?

Raoult Ratard MD, MS, MPH&TM
State Epidemiologist
Louisiana Office of Public Health
1450 Poydras, Ste 2159, New Orleans, LA 70112,
(504) 458-5428
raoult.ratard@la.gov

From: Dianne Dugas
Sent: Friday, April 19, 2013 11:45 AM
To: Raoult Ratard
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
Subject: FW: DHH Meeting

Below are the string of emails that we received this morning concerning collecting health information from local residents near the Colfax facility in Alexandria.

From: Kathleen Aubin
Sent: Friday, April 19, 2013 11:20 AM
To: Dianne Dugas
Subject: FW: DHH Meeting

From: Eman Williams
Sent: Friday, April 19, 2013 10:56 AM
To: Kathleen Aubin
Subject: FW: DHH Meeting

From: Fagan, Nancy [<mailto:Fagan.Nancy@epa.gov>]
Sent: Friday, April 19, 2013 10:55 AM
To: Lyke, Jennifer; Runnels, Charlotte; Anderson, Israel; Eman Williams
Subject: RE: DHH Meeting

<http://www.bluecliffedu.com/blue-cliff/alexandria-la/clinical-medical-assisting.aspx>

This college is in Alexandria, and they have a program for medical assistants.

From: Lyke, Jennifer
Sent: Thursday, April 18, 2013 6:08 PM
To: Fagan, Nancy; Runnels, Charlotte; Anderson, Israel; Eman Williams
Subject: Re: DHH Meeting

There may be HIPAA issues with that. Not sure. Good idea though.

From: Fagan, Nancy
Sent: Thursday, April 18, 2013 4:58:24 PM
To: Runnels, Charlotte; Anderson, Israel; Eman Williams; Lyke, Jennifer
Subject: RE: DHH Meeting

Agnes says there is a small college in Pineville, actually close to the Colfax facility (which is still owned and operated by Roy O. Martin).

From: Runnels, Charlotte
Sent: Thursday, April 18, 2013 4:56 PM
To: Anderson, Israel; Eman Williams; Fagan, Nancy; Lyke, Jennifer
Subject: RE: DHH Meeting

Using college students to help collect the data sounds like a great idea. LDHH what do you think about this idea?

m: Anderson, Israel
Sent: Thursday, April 18, 2013 4:53 PM
To: Runnels, Charlotte; Eman Williams; Fagan, Nancy; Lyke, Jennifer
Subject: RE: DHH Meeting

How about the use of college students if there is a university or college near by?

From: Runnels, Charlotte
Sent: Thursday, April 18, 2013 4:49 PM
To: Eman Williams; Anderson, Israel; Fagan, Nancy; Lyke, Jennifer
Subject: FW: DHH Meeting

Eman, thanks for pulling the meeting together for Ms. Agnes and the residents in Alexandria. I spoke with Ms. Agnes today regarding the conference call on Tuesday. She would like to know which agency can come to their area and go door to door to get the information for the LDHH and the Tumor Registry. She thinks this task would be very overwhelming for her to tackle alone but would like to see how she can get some assistance to move this forward.

Please follow-up with her with any suggestions that might help her in this effort.

Charlotte
(214) 665-6442

From: Eman Williams [<mailto:Eman.Williams@LA.GOV>]
Sent: Tuesday, April 09, 2013 3:53 PM
To: Chris Ratcliff
Cc: Kathleen Aubin; Runnels, Charlotte
Subject: DHH Meeting

Good Afternoon Mr. Ratcliff:

Charlotte Runnels from EPA Region 6 informed us that you would be conferencing into the meeting that we are holding next week in Alexandria. We were interested in contacting you to provide you with the meeting agenda.

Thank you for agreeing to participate on the call. Please contact us if you need any additional information regarding this meeting.

Ema'n M. Williams, MSPH
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
Phone: 504-568-8143
Fax: 504-568-8149



RE: Howdy!
Steven Archibald to: Nancy Fagan

01/24/2013 09:46 AM

From: Steven Archibald <Steven.Archibald@LA.GOV>
To: Nancy Fagan/R6/USEPA/US@EPA

5 attachments



Colfax-Alexandria-2004 Soil Sampling RECAP SS Exceedances.docx



DSC_0084.JPG



Durawood Results Summary.pdf



Colfax-Alexandria RFI.kmz



Amended Tables 3 4 5 - Sample results (2).pdf

Nancy,

Below is an e-mail I had drafted earlier regarding the soil sampling results from Steve Irving. For this evaluation, I broke the soil data down into four groups: 1) On-site Chatlin Lake Canal, 2) Off-site Chatlin Lake Canal, 3) Hynson Bayou, and 4) E. C. Hayes School. Please see the data and my comments for each area below. I have also attached a .kmz file that can be opened in Google Earth to show individual sample locations.

I also have taken a look at the (revised) groundwater results from the off-site "Irving" wells; these results indicate that all COCs are below their respective RECAP GW SS/MCLs, but some are above the "EPA Tapwater Screening Levels". I don't believe that the tapwater screening levels are enforceable for our RCRA program and would not be applicable to area groundwater at any rate, since this is not a GW-1 or GW-2 area.

Of course, all of this is based only on the summary tables that Steve Irving has provided. I have not seen any laboratory reports, QA/QC data, sampling and analysis protocol, or any type of final report, so although I think we definitely need to follow up on these results, I am reluctant to put too much stock in them until we have a full report. My original e-mail with my observations follows. Thanks.

Steve

PS: Colfax is in the process of submitting the final report for their sampling activities associated with the RFI. I will forward you a copy of this report when I get it.

From: Steven Archibald
Sent: Thursday, November 08, 2012 4:21 PM
To: Fagan, Nancy (Fagan.Nancy@epa.gov)
Subject: FW: Roy O. Martin in Alexandria, La.

Nancy,

I spoke with Colfax representatives yesterday and they indicated that the Hynson Bayou samples came back non-detect. I will send you a copy of the results as soon as I receive them. Also, I have had a

chance to review the 2004 data you provided from Steve Irving. The attached tables summarize the results of the samples exceeding RECAP SS; the sample locations are plotted on the attached .kmz file. (I truncated the sampling location designations, using only the first two letters and last two numbers from the table you provided.) The data is broken out by location.

Table 1 shows the results of samples taken along the on-site portion Chatlin Lake Canal (DC-29, DC-30, and DC-31); these exceedances are not unexpected and pretty much confirm our existing data gathered during RFI activities.

Table 1 - On-site Chatlin Lake Canal (mg/kg)*						
Location	RECAP SS	DC-29 0-6'	DC-29 30-36'	DC-30 0-6'	DC-30 30-36'	DC-31 0-6'
Acenaphthene	220**	7.22 J	3.38	1040 D	6.1	0.499 J
Benzo(a)anthracene	2.9	198	8.51	296	45.8	4.31
Benzo(a)pyrene	0.33	210	11.5	138	17.1	14.1
Benzo(b)fluoranthene	2.9	379	17.6	255	32.2	25.7
Benzo(k)fluoranthene	29	76.9	5.14	59.3	5.48	4.63
Chrysene	76**	224	9.79	238	29.6	5.88
Dibenz(a,h)anthracene	0.33	18.6	1.04	11.3	1.28	2.39
Dibenzofuran	24**	3.70 J	1.38 J	541	136 D	0.267 J
Fluoranthene	1200**	343	22.9	1470 D	236 D	4.36
Fluorene	230**	8.03 J	3.03	1030 D	183 D	0.473 J
Indeno(1,2,3-cd)pyrene	2.9	68.6	4.08	42.2	4.4	8.91
2-Methylnaphthalene	1.7**	3.19 J	0.627 J	949 D	163 D	0.269 J
Naphthalene	1.5**	5.32 J	2.86	18400 D	370 D	0.681 J
Phenanthrene	660**	29.1	12.9	2690 D	489 D	1.6
Pyrene	1100**	479	22.1	1120 D	174 D	6.38

*Samples were taken app. 10-20' apart.

**RECAP Screening Standards based on SoilGW; all other standards based on Soil.

Table 2 shows the results for samples taken along the off-site portion of the Chatlin Lake Canal (DC-38, DC-39, and DC-40); these samples were taken at or near the same location, according to the coordinates. The results indicate exceedances of SS for several PAHs, which was not expected. Our off-site RFI samples were collected about 500' upstream from these locations and were non-detect. One factor may be contribution from other sources, since this stream runs adjacent to the railroad tracks.

Table 2 - Off-site Chatlin Lake Canal (mg/kg)				
Location	RECAP SS	DC-38 0-6'	DC-39 0-6'	DC-40 0-6'
Acenaphthene	220**	ND	ND	ND
Benzo(a)anthracene	0.62	0.196	0.353	2.71
Benzo(a)pyrene	0.33	0.334	0.846	4.5
Benzo(b)fluoranthene	0.62	0.541	1.29	7.87
Benzo(k)fluoranthene	6.2	0.191 J	0.415	1.62
Chrysene	62	0.255	0.55	4.28
Dibenzo(a,h)Anthracene	0.33	0.063 J	0.112 J	0.461
Dibenzofuran	24**	ND	ND	ND

Fluoranthene	220	0.256	0.41	2.21
Fluorene	230**	ND	ND	0.075
Indeno(1,2,3-cd)pyrene	0.62	0.287	0.471	1.78
2-Methylnaphthalene	1.7**	ND	ND	ND
Naphthalene	1.5**	ND	ND	ND
Phenanthrene	660**	0.091 J	ND	0.139 J
Pyrene	230	0.3	0.602	4.94

*Samples were taken at or near the same location; no deeper samples collected.

**RECAP Screening Standards based on SoilGW; all other standards based on SoilNI.

Table 3 shows the results for samples taken along the off-site portion of Hynson Bayou (DC-32; DC-33, and DC-34); these samples were taken within 10-15 feet of each other and about 250 feet downstream of our sample location. The results indicate exceedances of SS for three PAHs at only one of these locations, DC-33, which was not confirmed by the two adjacent sampling locations. Our off-site RFI samples were non-detect; however, we were not able to get any sample recovery from the upper two feet.

Table 3 - Off-site Hynson Bayou (mg/kg)*				
Location	RECAP SS	DC-32 0-6'	DC-33 0-6'	DC-34 0-6'
COC				
Acenaphthene	220**	ND	0.27	ND
Benzo(a)anthracene	0.62	0.129 J	0.646	ND
Benzo(a)pyrene	0.33	0.198 J	0.928	ND
Benzo(b)fluoranthene	0.62	0.397	1.79	ND
Benzo(k)fluoranthene	6.2	0.134 J	0.451	ND
Chrysene	62	0.206	0.873	0.066 J
Dibenzo(a,h)Anthracene	0.33	ND	0.114 J	ND
Dibenzofuran	24**	ND	0.075 J	ND
Fluoranthene	220	0.237	1.65	0.078 J
Fluorene	230**	ND	0.187 J	ND
Indeno(1,2,3-cd)pyrene	0.62	0.162 J	0.573	0.061 J
2-Methylnaphthalene	1.7**	ND	ND	ND
Naphthalene	1.5**	ND	0.081 J	ND
Phenanthrene	660**	0.102	0.674	0.045 J
Pyrene	230	0.251	1.74	0.083 J

*Samples were taken app. 10-20' apart; no deeper samples collected.

**RECAP Screening Standards based on SoilGW; all other standards based on SoilNI.

Table 4 shows the results for two locations at EC Hayes School. One of these samples has concentrations of benzo(a)pyrene over the RECAP screening standard; the other sample, about 150 feet away, is non-detect. Due to the distance from the facility and the lack of any transport mechanism, I don't see how this could be facility related unless contaminated soils were physically transported to this area. Next time I am in the area, I intend to go to the DC-11 location to see if I can see anything that may explain this exceedance. The location is just adjacent to the building/parking lot, so it could be a contribution from asphalt or roofing tar.

Table 4 - Off-site EC Hayes School (mg/kg)*			
Location	RECAP SS	DC-11 0-6'	DC-12 0-6'
COC			
Acenaphthene	220**	0.094 J	ND
Benzo(a)anthracene	0.62	0.495	ND

Benzo(a)pyrene	0.33	0.403	ND
Benzo(b)fluoranthene	0.62	0.532	ND
Benzo(k)fluoranthene	6.2	0.190 J	ND
Chrysene	62	0.464	ND
Dibenzo(a,h)Anthracene	0.33	ND	ND
Dibenzofuran	24**	ND	ND
Fluoranthene	220	1.07	ND
Fluorene	230**	0.070 J	ND
Indeno(1,2,3-cd)pyrene	0.62	0.222 J	ND
2-Methylnaphthalene	1.7**	ND	ND
Naphthalene	1.5**	ND	ND
Phenanthrene	660**	0.735	ND
Pyrene	230	0.917	ND

*Samples were taken app. 150' apart; no deeper samples collected.

**RECAP Screening Standards based on SoilGW; all other standards based on SoilNI.

To summarize, I do have some concerns about the exceedances at the off-site Chatlin Lake Canal location and the off-site Hynson Bayou location. I would like to collect some shallow soil/sediment samples at or near these locations and possibly some additional locations for confirmation and maybe some additional delineation. I was wondering if you still have the availability of the EPA lab. I have all of the required sampling equipment and could prepare a QAPP if needed. We could also plan on collecting groundwater samples from the new wells if you think that would be a good idea. I would have to OK this with Tom, but I don't think it would be a problem. Let me know what you think on your end. Thanks.

Steve

From: Nancy Fagan [mailto:Fagan.Nancy@epamail.epa.gov]
Sent: Friday, October 12, 2012 8:47 AM
To: Steven Archibald
Subject: Fw: Roy O. Martin in Alexandria, La.

----- Forwarded by Nancy Fagan/R6/USEPA/US on 10/12/2012 08:46 AM -----

From: "Steve Irving" <Steve@steveirvingllc.com>
To: Nancy Fagan/R6/USEPA/US@EPA
Date: 10/09/2012 02:31 PM
Subject: FW: Roy O. Martin in Alexandria, La.

Here are a few other things that might be of interest.

Steve Irving

From: Steve Irving
Sent: Tuesday, October 09, 2012 10:00 AM
To: 'fagan.nancy@epamail.gov'
Subject: Roy O. Martin in Alexandria, La.

Ms. Fagan

The wells we were drilling were completed Friday. We will have the results of soil and water testing in a few days. Due to constraints of location (we had to stay on property on the Bethel Street side) we did not necessarily get into the middle of the off-site drainage behind the north side of Bethel Street.

On the old Orange property along the railroad tracks, another attorney group tested the bed of the chatin lake canal several years ago. ROM has long had the results of this testing but I doubt they have shared it with EPA. We may have sent them to DEQ but I am not sure. Anyway the test results are enclosed. These were not deep samples. DC-DS-CC-30 and 31 which are the soil samples taken from the bed of the canal. There is also some attic dust testing from some of the structures. The condition of the canal at the time these samples were taken was that it was completely unfenced and open to the public with only warning signs (see enclosed picture taken a few years later).

We have also done some attic dust testing both in Alexandria and across the river near the Pineville site the levels in attic dust are impressive. I will send the other stuff along a little later.

Steve Irving

From: Fagan.Nancy@epamail.epa.gov [mailto:Fagan.Nancy@epamail.epa.gov]
Sent: Tuesday, January 22, 2013 8:53 AM
To: Steven Archibald
Subject: Howdy!

Steve,
Got your message last week. Ms. Francisco has generated some interest amongst our folks here - I think one of our counterparts in EJ is planning a meeting to discuss. I can patch you in, if you are interested, or if you would prefer that I manage the issues, that is OK, too - your choice!
I am working on a SAP for us today - just a very rough draft to get format in - and then I will send to you for input.
Just to catch up, I know you reviewed the data from October collected by ROM, but have you reviewed the data collected by the Steve Irving group?
I am in this week - mainly in the mornings, if you want to discuss -
Nancy

Lyke, Jennifer

From: Raoult Ratard [Raoult.Ratard@LA.GOV]
Sent: Thursday, April 25, 2013 3:11 PM
To: Dianne Dugas; Lyke, Jennifer
Cc: Eman Williams; Kathleen Aubin; Shannon Soileau; Pettigrew, George; tom.harris@la.gov; Luann E White; Kellam, Jeffrey (Jeff) (ATSDR/DCHI/CB) (jyk9@cdc.gov)
Subject: RE: Colfax litigation

And Dianne forgot to add that such pseudo-scientific door to door health survey are nothing more than a fishing expedition with no scientific value whatsoever. Such surveys look good when announced. They do not look so good when the feedback is not conclusive. I would strongly advise our Department to stay away from such a snake oil approach to address problems.

Raoult Ratard MD, MS, MPH&TM
State Epidemiologist
Louisiana Office of Public Health
1450 Poydras, Ste 2159, New Orleans, LA 70112,
(504) 458-5428
raoult.ratard@la.gov

From: Dianne Dugas
Sent: Thursday, April 25, 2013 12:12 PM
To: Lyke.Jennifer@epa.gov
Cc: Eman Williams; Kathleen Aubin; Shannon Soileau; Raoult Ratard; Pettigrew.George@epamail.epa.gov; Tom Harris; Luann E White; Kellam, Jeffrey (Jeff) (ATSDR/DCHI/CB) (jyk9@cdc.gov)
Subject: RE: Colfax litigation

Jennifer, it is my understanding that you and the environmental justice staff with Region 6 have been working with Ms. Francisco to address her health concerns related to the Colfax creosote facility located in Alexandria, La. LDHH has reviewed environmental data related to the site and written a Health Consult which is currently being finalized by ATSDR. We have also written a very thorough letter to Ms. Francisco addressing her environmental and health concerns. I believe that you have copies of both these documents.

Most recently, you forwarded to us an extensive list of reported health outcomes experienced by community members over decades. Apparently, Region 6 received (may have even requested) the list from Ms. Francisco and you asked LDHH to do a health study. In order to review and comment on the diseases provided to Region 6, LDHH, LTR, and LDEQ met with Ms. Francisco and community members last week to further explain our environmental data assessments, the limits of scientific interpretation of current data in determining a causal relationship with past exposures and illnesses, and ask for more specific individual health information from the community for cancer further evaluation.

I am not aware that we have ever been invited to participate in any of the conversations among EPA, ATSDR, and Ms. Francisco that have focused on the feasibility of a "health study" in her community and we certainly have not had a conversation with any agency or individual about a door to door health study of any kind. I don't know what Ms. Francisco has in mind nor do I know what Region 6 has suggested to her is possible but I strongly recommend that, in the future, we all collaborate regarding our work in this community. It appears that, as things are working now, Region 6 (EPA and/or ATSDR) speaks with Ms. Francisco and then either party may call us to let us know what has been decided as the next public health steps to take in Louisiana and how LDHH should complete them – at one point it was reported to me that Ms. Francisco said to us that she was told that LDHH would have to follow up as directed because we are being paid by ATSDR to do the work. Of course, that was just hearsay but it does demonstrate the poor communication and planning that is going on among the agencies at this site.

From: Kathleen Aubin
Sent: Thursday, April 25, 2013 10:15 AM
To: Dianne Dugas
Cc: Eman Williams
Subject: FW: Colfax litigation

Fyi.. please see below Jennifer Lyke's email to Eman regarding Colfax...

Thanks,

Kathleen Aubin
Environmental Health Scientist Supervisor
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
1450 Poydras St., Suite 1640
New Orleans, La. 70112
Phone # 504-568-8144
Fax #: 504-568-8149
Email: kathleen.aubin@la.gov

From: Eman Williams
Sent: Thursday, April 25, 2013 10:13 AM
To: Kathleen Aubin
Subject: FW: Colfax litigation

From: Lyke, Jennifer [<mailto:Lyke.Jennifer@epa.gov>]
Sent: Thursday, April 25, 2013 10:07 AM
To: Eman Williams
Subject: FW: Colfax litigation

Eman,
Wondering what followup has occurred on this? It seemed like Dr. Ratard got the wrong impression on what Agnes was asking for.
Jennifer

From: Raoult Ratard [<mailto:Raoult.Ratard@LA.GOV>]
Sent: Friday, April 19, 2013 6:19 PM
To: Dianne Dugas; Runnels, Charlotte; Lyke, Jennifer; Fagan, Nancy; Anderson, Israel
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
Subject: Colfax litigation

In a rational world, issues must be addressed rationally.
Quotes from the letter sent to Ms. Francisco, a concerned citizen about health effects experienced in her neighborhood state:

1-"Although both PCP and CCA have been linked to cancer, identifying the causes of the cancers in your location was challenging because the residents were diagnosed with different types of cancers which have different risk factors. Since there were a small number of particular types of cancers in your neighborhood, it is not possible to determine if the cancer rates are higher than expected. Since many of the residents who had been diagnosed with cancer lived in the

community for different lengths of time and had different occupations, it is difficult to link the cancer to a specific exposure and to determine when, or if, they came in contact with the cancer causing agent".

2-"LDEQ Steve Archibald stated that he had visited your home on January 25, 2010 and revisited your area on June 15, 2010 to conduct an inspection at the former Durawood facility and to identify the potential pathways for exposure to wood preserving and treatment chemicals. Mr. Archibald stated that based on the information that was collected during their inspection, the LDEQ was not able to identify current potential pathways for exposure to wood preserving and treatment chemicals from surface water, sediments, soil and groundwater".

3- "You also mentioned that you were concerned about lupus... LDHH also conducted a literature review to find out if lupus has been linked to any chemicals that are found in creosote. The staff was unable to find any information that linked creosote exposure to lupus".

4-"Graves Disease... The staff was unable to find any information linking thyroid conditions to creosote".

5-"Although the environment plays an important role in human development and health, it is difficult to determine how chemicals that are found in the environment affect our health because there are many risk factors that determine if a person will develop a particular disease such as thyroid conditions, cancer and lupus. These health conditions can be caused by a variety of factors ranging from genetic and environmental to behavioral (diet and other personal habits) and occupational. Researchers have been able to make links between some environmental hazards with specific diseases such as exposure to asbestos and lung cancer. Others are believed to exist but further research is needed to make these associations".

6-The health preliminary review of Colfax treating company, Alexandria facility, Rapides Parish, Louisiana states: "Exposure Pathway: No routes of exposure exist between residual groundwater contaminants or soil contaminants at the site and the public". and under the section "Conclusions: Based upon the most recent environmental data review (groundwater samples collected in April 2010 and soil samples collected in 2004), SEET concludes that the groundwater and soil at the Colfax-Alexandria site will not harm people's health because under current site conditions, no routes of exposure exist between residual groundwater contaminants or soil contaminants at the site and the public".

Have any of the conclusions been invalidated by any new data? Why do a house to house survey?

1-This kind of house to house survey is the worst approach one can imagine. We have no hypothesis on any environmental agent with a pathway to the population, no hypothesis on which illness condition we would be looking for. We know that one person identified the following conditions (Cardiovascular Disease (not specified), Heart mummer, Hypertension, Blood disorder, Enlarged heart, Arrhythmia, Diabetes (type 2), Juvenile Diabetes, Stroke, Respiratory Problems (not specified), Sinus, Asthma, Allergies, Sleep Apnea, Lupus, Skin Disease (not specified), Eczema, Fibromyalgia, Arthritis, Rashes (not specified), Rashes (stomach, arm, face, hands), Hysterectomy, Miscarriages, Low-birth weight, Underweight full-term offspring (4lbs), Female Infertility, Male infertility, Prostate problems (not specified), Dizziness, Abnormal growth on the neck, Abnormal growth on the head, TB, Diptheria, ALS, Gallbladder, Paralysis (from waist), Seizures, Enlarged Spleen, Headaches, Spots on liver, All organ stuck together (female). Including the repeat conditions there 172 conditions.

2-A house to house survey is very difficult to organize. People are not at home during the day. Contact has to be made in the evening at a time when many people are involved in other activities such as cooking, eating dinner, checking home work and watching TV. Besides there are some issues with the safety of the surveyors traipsing around neighborhood at dusk.

3-Compiling all this data would take an enormous amount of staff time. Even if the data was delivered to you on a silver platter, what would you do with it after weeks of data entry. No definite conclusions can be reached when one has no rational hypothesis to start with.

4-The issue is already in litigation (<http://wiki.legalexaminer.com/topic/colfax-treating-co.aspx>;).

The Louisiana Supreme Court made a negative decision on class certification (<http://www.edwardswildman.com/files/upload/WestlawBAustin.pdf>). There is absolutely no public health benefit to inject DHH/OPH into such a contentious issue.

In a 40 years as an epidemiologist I have never heard of such a crazy idea. Could we try to be a little more reasonable here?

Raoult Ratard MD, MS, MPH&TM
State Epidemiologist
Louisiana Office of Public Health
1450 Poydras, Ste 2159, New Orleans, LA 70112,
(504) 458-5428
raoult.ratard@la.gov

From: Dianne Dugas
Sent: Friday, April 19, 2013 11:45 AM
To: Raoult Ratard
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
Subject: FW: DHH Meeting

Below are the string of emails that we received this morning concerning collecting health information from local residents near the Colfax facility in Alexandria.

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Sent: Friday, April 19, 2013 11:20 AM
To: Dianne Dugas
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From: Fagan, Nancy [<mailto:Fagan.Nancy@epa.gov>]
Sent: Friday, April 19, 2013 10:55 AM
To: Lyke, Jennifer; Runnels, Charlotte; Anderson, Israel; Eman Williams
Subject: RE: DHH Meeting

<http://www.bluecliffedu.com/blue-cliff/alexandria-la/clinical-medical-assisting.aspx>

This college is in Alexandria, and they have a program for medical assistants.

From: Lyke, Jennifer
Sent: Thursday, April 18, 2013 6:08 PM
To: Fagan, Nancy; Runnels, Charlotte; Anderson, Israel; Eman Williams
Subject: Re: DHH Meeting

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From: Fagan, Nancy
Sent: Thursday, April 18, 2013 4:58:24 PM
To: Runnels, Charlotte; Anderson, Israel; Eman Williams; Lyke, Jennifer
Subject: RE: DHH Meeting

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To: Anderson, Israel; Eman Williams; Fagan, Nancy; Lyke, Jennifer
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Please follow-up with her with any suggestions that might help her in this effort.

Charlotte
(214) 665-6442

From: Eman Williams [<mailto:Eman.Williams@LA.GOV>]
Sent: Tuesday, April 09, 2013 3:53 PM
To: Chris Ratcliff
Cc: Kathleen Aubin; Runnels, Charlotte
Subject: DHH Meeting

Good Afternoon Mr. Ratcliff:

Charlotte Runnels from EPA Region 6 informed us that you would be conferencing into the meeting that we are holding next week in Alexandria. We were interested in contacting you to provide you with the meeting agenda.

Thank you for agreeing to participate on the call. Please contact us if you need any additional information regarding this meeting.

Ema'n M. Williams, MSPH
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
Phone: 504-568-8143
Fax: 504-568-8149

Lyke, Jennifer

From: Kellam, Jeffrey (Jeff) (ATSDR/DCHI/CB) [jyk9@cdc.gov]
Sent: Thursday, April 25, 2013 1:41 PM
To: Lyke, Jennifer L. (ATSDR/DCHI/CB)
Subject: FW: Colfax litigation

Jennifer:

Kathleen has submitted an APOW for the new agreement year to look at some environmental samples. They have not completed anything and are not planning a health study. They do plan to collect some survey info, but will use info internally, understanding as they do our human subject IRB limitations and requirements.

From: Dianne Dugas [mailto:Dianne.Dugas@LA.GOV]
Sent: Thursday, April 25, 2013 1:12 PM
To: Lyke, Jennifer L. (EPA) (CDC epa.gov)
Cc: Eman Williams; Kathleen Aubin; Shannon Soileau; Raoult Ratard; Pettigrew.George@epamail.epa.gov; Tom Harris; Luann E White; Kellam, Jeffrey (Jeff) (ATSDR/DCHI/CB)
Subject: RE: Colfax litigation

Jennifer, it is my understanding that you and the environmental justice staff with Region 6 have been working with Ms. Francisco to address her health concerns related to the Colfax creosote facility located in Alexandria, La. LDHH has reviewed environmental data related to the site and written a Health Consult which is currently being finalized by ATSDR. We have also written a very thorough letter to Ms. Francisco addressing her environmental and health concerns. I believe that you have copies of both these documents.

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I am not aware that we have ever been invited to participate in any of the conversations among EPA, ATSDR, and Ms. Francisco that have focused on the feasibility of a "health study" in her community and we certainly have not had a conversation with any agency or individual about a door to door health study of any kind. I don't know what Ms. Francisco has in mind nor do I know what Region 6 has suggested to her is possible but I strongly recommend that, in the future, we all collaborate regarding our work in this community. It appears that, as things are working now, Region 6 (EPA and/or ATSDR) speaks with Ms. Francisco and then either party may call us to let us know what has been decided as the next public health steps to take in Louisiana and how LDHH should complete them – at one point it was reported to me that Ms. Francisco said to us that she was told that LDHH would have to follow up as directed because we are being paid by ATSDR to do the work. Of course, that was just hearsay but it does demonstrate the poor communication and planning that is going on among the agencies at this site.

From: Kathleen Aubin
Sent: Thursday, April 25, 2013 10:15 AM
To: Dianne Dugas
Cc: Eman Williams
Subject: FW: Colfax litigation

Fyi.. please see below Jennifer Lyke's email to Eman regarding Colfax...

Thanks,

Kathleen Aubin
Environmental Health Scientist Supervisor
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
1450 Poydras St., Suite 1640
New Orleans, La. 70112
Phone # 504-568-8144
Fax #: 504-568-8149
Email: kathleen.aubin@la.gov

From: Eman Williams
Sent: Thursday, April 25, 2013 10:13 AM
To: Kathleen Aubin
Subject: FW: Colfax litigation

From: Lyke, Jennifer [<mailto:Lyke.Jennifer@epa.gov>]
Sent: Thursday, April 25, 2013 10:07 AM
To: Eman Williams
Subject: FW: Colfax litigation

Eman,
Wondering what followup has occurred on this? It seemed like Dr. Ratard got the wrong impression on what Agnes was asking for.
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From: Raoult Ratard [<mailto:Raoult.Ratard@LA.GOV>]
Sent: Friday, April 19, 2013 6:19 PM
To: Dianne Dugas; Runnels, Charlotte; Lyke, Jennifer; Fagan, Nancy; Anderson, Israel
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
Subject: Colfax litigation

In a rational world, issues must be addressed rationally.
Quotes from the letter sent to Ms. Francisco, a concerned citizen about health effects experienced in her neighborhood state:

1-"Although both PCP and CCA have been linked to cancer, identifying the causes of the cancers in your location was challenging because the residents were diagnosed with different types of cancers which have different risk factors. Since there were a small number of particular types of cancers in your neighborhood, it is not possible to determine if the cancer rates are higher than expected. Since many of the residents who had been diagnosed with cancer lived in the community for different lengths of time and had different occupations, it is difficult to link the cancer to a specific exposure and to determine when, or if, they came in contact with the cancer causing agent".

2-"LDEQ Steve Archibald stated that he had visited your home on January 25, 2010 and revisited your area on June 15, 2010 to conduct an inspection at the former Durawood facility and to identify the potential pathways for exposure to wood preserving and treatment chemicals. Mr. Archibald stated that based on the information that was collected during their inspection, the LDEQ was not able to identify current potential pathways for exposure to wood preserving and treatment chemicals from surface water, sediments, soil and groundwater".

3- "You also mentioned that you were concerned about lupus... LDHH also conducted a literature review to find out if lupus has been linked to any chemicals that are found in creosote. The staff was unable to find any information that linked creosote exposure to lupus".

4- "Graves Disease... The staff was unable to find any information linking thyroid conditions to creosote".

5- "Although the environment plays an important role in human development and health, it is difficult to determine how chemicals that are found in the environment affect our health because there are many risk factors that determine if a person will develop a particular disease such as thyroid conditions, cancer and lupus. These health conditions can be caused by a variety of factors ranging from genetic and environmental to behavioral (diet and other personal habits) and occupational. Researchers have been able to make links between some environmental hazards with specific diseases such as exposure to asbestos and lung cancer. Others are believed to exist but further research is needed to make these associations".

6- The health preliminary review of Colfax treating company, Alexandria facility, Rapides Parish, Louisiana states: "Exposure Pathway: No routes of exposure exist between residual groundwater contaminants or soil contaminants at the site and the public". and under the section "Conclusions: Based upon the most recent environmental data review (groundwater samples collected in April 2010 and soil samples collected in 2004), SEET concludes that the groundwater and soil at the Colfax-Alexandria site will not harm people's health because under current site conditions, no routes of exposure exist between residual groundwater contaminants or soil contaminants at the site and the public".

Have any of the conclusions been invalidated by any new data? Why do a house to house survey?

1- This kind of house to house survey is the worst approach one can imagine. We have no hypothesis on any environmental agent with a pathway to the population, no hypothesis on which illness condition we would be looking for. We know that one person identified the following conditions (Cardiovascular Disease (not specified), Heart mummer, Hypertension, Blood disorder, Enlarged heart, Arrhythmia, Diabetes (type 2), Juvenile Diabetes, Stroke, Respiratory Problems (not specified), Sinus, Asthma, Allergies, Sleep Apnea, Lupus, Skin Disease (not specified), Eczema, Fibromyalgia, Arthritis, Rashes (not specified), Rashes (stomach, arm, face, hands), Hysterectomy, Miscarriages, Low-birth weight, Underweight full-term offspring (4lbs), Female Infertility, Male infertility, Prostate problems (not specified), Dizziness, Abnormal growth on the neck, Abnormal growth on the head, TB, Diptheria, ALS, Gallbladder, Paralysis (from waist), Seizures, Enlarged Spleen, Headaches, Spots on liver, All organ stuck together (female). Including the repeat conditions there 172 conditions.

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State Epidemiologist
Louisiana Office of Public Health
1450 Poydras, Ste 2159, New Orleans, LA 70112,
(504) 458-5428
raoult.ratard@la.gov

From: Dianne Dugas
Sent: Friday, April 19, 2013 11:45 AM
To: Raoult Ratard
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
Subject: FW: DHH Meeting

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Subject: FW: DHH Meeting

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To: Kathleen Aubin
Subject: FW: DHH Meeting

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To: Lyke, Jennifer; Runnels, Charlotte; Anderson, Israel; Eman Williams
Subject: RE: DHH Meeting

<http://www.bluecliffedu.com/blue-cliff/alexandria-la/clinical-medical-assisting.aspx>

This college is in Alexandria, and they have a program for medical assistants.

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Louisiana Department of Health and Hospitals
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Phone: 504-568-8143
Fax: 504-568-8149

Lyke, Jennifer

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Sent: Thursday, April 25, 2013 12:12 PM
To: Lyke, Jennifer
Cc: Eman Williams; Kathleen Aubin; Shannon Soileau; Raoult Ratard; Pettigrew, George; tom.harris@la.gov; Luann E White; Kellam, Jeffrey (Jeff) (ATSDR/DCHI/CB) (jyk9@cdc.gov)
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Ema'n M. Williams, MSPH
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
Phone: 504-568-8143
Fax: 504-568-8149

Lyke, Jennifer

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Sent: Thursday, April 25, 2013 11:39 AM
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Cc: Shannon Soileau
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The e-mails below state:

E-MAIL #1: From: Runnels, Charlotte **Sent:** Thursday, April 18, 2013 4:56 PM

To: Anderson, Israel; Eman Williams; Fagan, Nancy; Lyke, Jennifer **Subject:** RE: DHH Meeting

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I do understand English and it plainly states that Charlotte Runnels is asking which agency "can come to their area and go door to door to get the information", and I do understand that Charlotte Runnels thinks that "Using college students to help collect the data sounds like a great idea"

Then: **From:** Lyke, Jennifer [mailto:Lyke.Jennifer@epa.gov]; **Sent:** Thursday, April 25, 2013 10:07 AM; **To:** Eman Williams

Subject: FW: Colfax litigation

Eman, Wondering what followup has occurred on this? It seemed like Dr. Ratard got the wrong impression on what Agnes was asking for.

I think I got the right impression according to the meaning of the words in this plain English language. The impression is:

- 1- Charlotte Runnels is asking which agency "can come to their area and go door to door to get the information",
- 2- Charlotte Runnels thinks that "Using college students to help collect the data sounds like a great idea"

And what I mean in a simple English declarative sentence is:

"In a 40 years as an epidemiologist I have never heard of such a crazy idea".

If this simple sentence is still obscure, I'll simplify it further:

"DOOR TO DOOR SURVEY, BAD IDEA, NO NO".

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Sent: Friday, April 19, 2013 6:19 PM
To: Dianne Dugas; Runnels, Charlotte; Lyke, Jennifer; Fagan, Nancy; Anderson, Israel
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
Subject: Colfax litigation

In a rational world, issues must be addressed rationally.
Quotes from the letter sent to Ms. Francisco, a concerned citizen about health effects experienced in her neighborhood state:

- 1-*"Although both PCP and CCA have been linked to cancer, identifying the causes of the cancers in your location was challenging because the residents were diagnosed with different types of cancers which have different risk factors. Since there were a small number of particular types of cancers in your neighborhood, it is not possible to determine if the cancer rates are higher than expected. Since many of the residents who had been diagnosed with cancer lived in the community for different lengths of time and had different occupations, it is difficult to link the cancer to a specific exposure and to determine when, or if, they came in contact with the cancer causing agent".*
- 2-*"LDEQ Steve Archibald stated that he had visited your home on January 25, 2010 and revisited your area on June 15, 2010 to conduct an inspection at the former Durawood facility and to identify the potential pathways for exposure to wood preserving and treatment chemicals. Mr. Archibald stated that based on the information that was collected during their inspection, the LDEQ was not able to identify current potential pathways for exposure to wood preserving and treatment chemicals from surface water, sediments, soil and groundwater".*
- 3-*"You also mentioned that you were concerned about lupus... LDHH also conducted a literature review to find out if lupus has been linked to any chemicals that are found in creosote. The staff was unable to find any information that linked creosote exposure to lupus".*
- 4-*"Graves Disease... The staff was unable to find any information linking thyroid conditions to creosote".*
- 5-*"Although the environment plays an important role in human development and health, it is difficult to determine how chemicals that are found in the environment affect our health because there are many risk factors that determine if a person will develop a particular disease such as thyroid conditions, cancer and lupus. These health conditions can be caused by a variety of factors ranging from genetic and environmental to behavioral (diet and other personal habits) and occupational. Researchers have been able to make links between some environmental hazards with specific diseases such as exposure to asbestos and lung cancer. Others are believed to exist but further research is needed to make these associations".*
- 6-*The health preliminary review of Colfax treating company, Alexandria facility, Rapides Parish, Louisiana states: "Exposure Pathway: No routes of exposure exist between residual groundwater contaminants or soil contaminants at the site and the public". and under the section "Conclusions: Based upon the most recent environmental data review (groundwater samples collected in April 2010 and soil samples collected in 2004), SEET concludes that the groundwater and soil at the Colfax-Alexandria site will not harm people's health because under current site conditions, no routes of exposure exist between residual groundwater contaminants or soil contaminants at the site and the public".*

Have any of the conclusions been invalidated by any new data? Why do a house to house survey?

1-This kind of house to house survey is the worst approach one can imagine. We have no hypothesis on any environmental agent with a pathway to the population, no hypothesis on which illness condition we would be looking for. We know that one person identified the following conditions (Cardiovascular Disease (not specified), Heart mummer, Hypertension, Blood disorder, Enlarged heart, Arrhythmia, Diabetes (type 2), Juvenile Diabetes, Stroke, Respiratory Problems (not specified), Sinus, Asthma, Allergies, Sleep Apnea, Lupus,

Skin Disease (not specified), Eczema, Fibromyalgia, Arthritis, Rashes (not specified), Rashes (stomach, arm, face, hands), Hysterectomy, Miscarriages, Low-birth weight, Underweight full-term offspring (4lbs), Female Infertility, Male infertility, Prostate problems (not specified), Dizziness, Abnormal growth on the neck, Abnormal growth on the head, TB, Diphtheria, ALS, Gallbladder, Paralysis (from waist), Seizures, Enlarged Spleen, Headaches, Spots on liver, All organ stuck together (female). Including the repeat conditions there 172 conditions.

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3-Compiling all this data would take an enormous amount of staff time. Even if the data was delivered to you on a silver platter, what would you do with it after weeks of data entry. No definite conclusions can be reached when one has no rational hypothesis to start with.

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In a 40 years as an epidemiologist I have never heard of such a crazy idea. Could we try to be a little more reasonable here?

Raoult Ratard MD, MS, MPH&TM
State Epidemiologist
Louisiana Office of Public Health
1450 Poydras, Ste 2159, New Orleans, LA 70112,
(504) 458-5428
raoult.ratard@la.gov

From: Dianne Dugas
Sent: Friday, April 19, 2013 11:45 AM
To: Raoult Ratard
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
Subject: FW: DHH Meeting

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From: Kathleen Aubin
Sent: Friday, April 19, 2013 11:20 AM
To: Dianne Dugas
Subject: FW: DHH Meeting

From: Eman Williams
Sent: Friday, April 19, 2013 10:56 AM

To: Kathleen Aubin
Subject: FW: DHH Meeting

From: Fagan, Nancy [<mailto:Fagan.Nancy@epa.gov>]
Sent: Friday, April 19, 2013 10:55 AM
To: Lyke, Jennifer; Runnels, Charlotte; Anderson, Israel; Eman Williams
Subject: RE: DHH Meeting

<http://www.bluecliffedu.com/blue-cliff/alexandria-la/clinical-medical-assisting.aspx>

This college is in Alexandria, and they have a program for medical assistants.

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Sent: Thursday, April 18, 2013 6:08 PM
To: Fagan, Nancy; Runnels, Charlotte; Anderson, Israel; Eman Williams
Subject: Re: DHH Meeting

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Please follow-up with her with any suggestions that might help her in this effort.

Charlotte
(214) 665-6442

From: Eman Williams [<mailto:Eman.Williams@LA.GOV>]
Sent: Tuesday, April 09, 2013 3:53 PM
To: Chris Ratcliff
Cc: Kathleen Aubin; Runnels, Charlotte
Subject: DHH Meeting

Good Afternoon Mr. Ratcliff:

Charlotte Runnels from EPA Region 6 informed us that you would be conferencing into the meeting that we are holding next week in Alexandria. We were interested in contacting you to provide you with the meeting agenda.

Thank you for agreeing to participate on the call. Please contact us if you need any additional information regarding this meeting.

Ema'n M. Williams, MSPH
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
Phone: 504-568-8143
Fax: 504-568-8149

Lyke, Jennifer

From: Raoult Ratard [Raoult.Ratard@LA.GOV]
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Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
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Charlotte
(214) 665-6442

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Ema'n M. Williams, MSPH
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
Phone: 504-568-8143
Fax: 504-568-8149

Lyke, Jennifer

From: Fagan, Nancy
Sent: Friday, February 22, 2013 10:38 AM
To: Lyke, Jennifer
Cc: Runnels, Charlotte
Subject: Colfax (Roy O. Martin) Creosote

Jennifer,

Agnes asked me to share the following information with you.

She is getting information together for Eman Williams (LDHH) from citizens in the community. This information will go into the Registry. She was asking if you could call Eman and discuss with her the type of information to gather. Eman is asking for only cancer-related deaths. Agnes also wants to gather the information for other diseases, such as lupus, early hysterectomies, etc., and is wondering if there is a way to document this information as well.

She also asked about the information on cancer victims who are still alive, how do you document that information?

Eman's number is 504. 568.8143.

Nancy Fagan
Multimedia Planning and Permitting Division
6PD-O
214.665.8385

Lyke, Jennifer

From: Runnels, Charlotte
Sent: Tuesday, January 29, 2013 2:34 PM
To: Steele, Eva; Verhalen, Frances; Anderson, Israel; Lyke, Jennifer; Dougherty, Joel; Wakeland, Morton; Devito, Steve; Fagan, Nancy
Subject: Discussion: Stella Jones facility in Alexandria, LA? (previously known as Tangent Rail, or aka...Durawood, Colfax, Roy O. Martin)

REMINDER: Meeting is this Thursday, January 31 @ 10:00 in the Santa Fe Conference Room - 7th Floor

If you need to call in for the call see information below:

Conference Call in # is as follows:

FOIA Exemption 6-Personal Privacy



Charlotte Runnels
Office of Environmental Justice and Tribal Affairs
Environmental Justice Liaison - Louisiana
Environmental Protection Agency
1445 Ross Avenue
Dallas, Texas 75202-2733
(214) 665-6442 (voice)
(214) 665-2124 (fax)

Lyke, Jennifer

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1-866-299-3188

conference code: 214-665-6442#

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(214) 665-2124 (fax)

Lyke, Jennifer

From: Herrera, Esteban
Sent: Thursday, January 24, 2013 1:35 PM
To: Fagan, Nancy; Casso, Ruben
Cc: Cook, Brenda; Kendrick, Bret; Runnels, Charlotte; Thrush, Dale; Steele, Eva; Verhalen, Frances; Anderson, Israel; Lyke, Jennifer; Dougherty, Joel; Wakeland, Morton; Devito, Steve; Stuckey, Troy
Subject: Re: Fw: Creosote Contaminants

Nancy,

As far as air enforcement we have not done any monitoring/sampling. That doesn't mean that EPA has not provided grants to do such monitoring or that the state is not doing them.

Ruben - do you know of any recent air sampling for the Stella Jones facility in Alexandria, LA?

Esteban Herrera
EPA Region 6
Chief, Toxics Enforcement Section (6EN-AT)
phone: 214 665 7348
fax: 214 665 7264

From: Nancy Fagan/R6/USEPA/US
To: Esteban Herrera/R6/USEPA/US@EPA
Cc: Dale Thrush/R6/USEPA/US@EPA, Brenda Cook/R6/USEPA/US@EPA, Bret Kendrick/R6/USEPA/US@EPA, Jennifer Lyke/R6/USEPA/US@EPA, Israel Anderson/R6/USEPA/US@EPA, Morton Wakeland/R6/USEPA/US@EPA, Frances Verhalen/R6/USEPA/US@EPA, Steve Devito/DC/USEPA/US@EPA, Charlotte Runnels/R6/USEPA/US@EPA, Troy Stuckey/R6/USEPA/US@EPA, Joel Dougherty/R6/USEPA/US@EPA, Eva Steele/R6/USEPA/US@EPA
Date: 01/24/2013 01:07 PM
Subject: Fw: Creosote Contaminants

Este,

Do you know of any recent air sampling for the Stella Jones facility in Alexandria, LA? (previously known as Tangent Rail, or aka...Durawood, Colfax, Roy O. Martin). If possible, can you help Steve DeVito below?

Nancy

----- Forwarded by Nancy Fagan/R6/USEPA/US on 01/24/2013 12:48 PM -----

From: Steve Devito/DC/USEPA/US
To: Jennifer Lyke/R6/USEPA/US@EPA
Cc: Nancy Fagan/R6/USEPA/US@EPA, Rosalind Green (DHH-OPH) (Rosalind.M.Green@LA.GOV) <Rosalind.M.Green@LA.GOV>, Morton Wakeland/R6/USEPA/US@EPA
Date: 01/11/2013 10:06 AM
Subject: Re: Fw: Creosote Contaminants

Hi Jennifer:

Thank you for getting back to me so quickly on this.

I took a quick look at the ground water and soil sampling study results that you sent to me. I will review it more comprehensively later today.

From my personal conversation with Agnes Francisco, I am of the impression that she is especially concerned about the "terrible odor" in her community. Agnes is of the impression that whatever chemical(s) is (are) causing the terrible odor are also making people in her community seriously ill.

I have looked into this matter on my end, and I ascribe the terrible odor to air emissions of creosote by the Stella-Jones Corporation facility, located at 3600 Koppers Street, Alexandria LA, 71302. This facility is located less than a mile from Agnes' house and, according to EPA's Toxics Release Inventory database, this facility certifies that it releases 14,000-15,000 lbs of creosote (CAS# 8001-58-9) to air each year.

Would you know whether any air sampling near this facility location has been, or will be done?

I will check with EPA's Office of Air and Radiation to see if they have any air monitoring data in Agnes' community (zip locality 71302). I doubt that they do, but if they do I will share it with you.

Steve DeVito

Stephen C. DeVito, Ph.D., R.Ph.
Toxics Release Inventory Program
(mail code 2844T)
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, D.C. 20004

phone: 202-566-0755

e-mail: devito.steve@epa.gov

From: Jennifer Lyke/R6/USEPA/US
To: Steve Devito/DC/USEPA/US@EPA
Cc: Nancy Fagan/R6/USEPA/US@EPA, Rosalind Green (DHH-OPH) (Rosalind.M.Green@LA.GOV)
<Rosalind.M.Green@LA.GOV>
Date: 01/11/2013 10:00 AM
Subject: Re: Fw: Creosote Contanimants

Steve,
Got your message from yesterday. I had to leave early for a dental appt. Ms. Francisco called me yesterday, so I will contact her today. I know EPA-6 continues to discuss sampling options, and we are all in communication. The Louisiana Department of Health and Hospitals, through funding from ATSDR reviewed soil and groundwater data in 2011 and did not find any routes of exposure to exist, at that time. I have attached a copy of their review. ATSDR and LDHH will be available to review any new data that is collected.

Jennifer

[attachment "Letter Health Consultation March 2011.pdf" deleted by Steve Devito/DC/USEPA/US]

Jennifer L. Lyke
Division of Community Health Investigations
Agency for Toxic Substances and Disease Registry/CDC Region 6
1445 Ross Avenue (6SF-T)
Dallas, TX 75202
214/665-8362
214/665-2237 fax
email: jlyke@cdc.gov

CDC.gov is your online source for credible health information. Visit www.cdc.gov today.

From: Steve Devito/DC/USEPA/US

To: <Lyke.Jennifer@epamail.epa.gov>, Nancy Fagan/R6/USEPA/US@EPA
Cc: Morton Wakeland/R6/USEPA/US@EPA
Date: 01/11/2013 06:19 AM
Subject: Fw: Creosote Contaminants

Hi Jennifer, Nancy:

I received the e-mail below on Wednesday. Yesterday I spoke with Agnes Francisco. She indicated that some sampling was done, but was never informed of the results. Do either of you know whether sampling was performed in her community and, if so, the results and conclusions of the sampling?

Also, Agnes did not seem to know anything about assistance from the ATSDR. Are arrangements being made for her to receive assistance?

I look forward to hearing from you.

Steve DeVito

Stephen C. DeVito, Ph.D., R.Ph.
Toxics Release Inventory Program
(mail code 2844T)
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, D.C. 20004

phone: 202-566-0755
e-mail: devito.steve@epa.gov

----- Forwarded by Steve Devito/DC/USEPA/US on 01/11/2013 07:08 AM -----

From: sann320@comcast.net
To: Steve Devito/DC/USEPA/US@EPA
Date: 01/09/2013 12:51 PM
Subject: Fwd: Creosote Contaminants

Mr. Devito,

I realize you get a lot of e-mails so I will re-introduce myself. I am Shirley Simpson from North Little Rock, AR that worked with Morton Wakeland on the woodtreaters issue of not reporting and yes, I talked with Daniel. Below on the e-mail from Agnes Francisco pretty much explains what is going on. This is in Alexandria, Louisiana and it is so much like what has been happening in Arkansas.

I don't know who else to contact since region 6 has been contacted and like me she is very concerned about all of the deaths that are possibly hastened by the chemicals that are from the wood treating facilities.

I don't know what is happening on the wood treating issues now from your department. I do remember Daniel stating it would be on the federal registrar shortly after Christmas. He also told me I should take it to the local newspaper and the governors office. As I told him, I have done that and taken it up the chain of command and I will take it higher if need be.

I want you to know what was said. Steven, I have taken it up the chain of command and have done everything I can because so many people in the communities and workers alike are dying with different forms of cancer. I will not stop until I have done everything I can do to save lives. I have been made sick a few times from the chemicals myself. I told the plant manager about it, he apologized.

Nancy Fagan and Richard Ehrhart from region 6 gave Agnes my e-mail address to find out what I did on the wood treating issues so she would know what to do.

That is a compliment to me but to me its a little bit of them passing the buck.

Agnes e-mail is below. Her phone number is [REDACTED]
We will appreciate anything you can do to help us.

Have a good day,
Shirley Simpson

FOIA Exemption 6-Personal Privacy
[REDACTED]

From: "Lyke Jennifer" <Lyke.Jennifer@epamail.epa.gov>
To: sann320@comcast.net
Sent: Wednesday, January 9, 2013 10:01:22 AM
Subject: Re: Fwd: Creosote Contaminants

George was out, as well. Yes, I have met with Nancy and Rick, several times, about this. I have provided them with information on how to request ATSDR assistance (formally). Nancy was supposed to be working with DEQ to have some further sampling done and had even talked within EPA about doing sampling. I will touch base with Nancy and find out where things are.

Jennifer L. Lyke
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1445 Ross Avenue (6SF-T)
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214/665-8362
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From: sann320@comcast.net
To: Jennifer Lyke/R6/USEPA/US@EPA
Date: 01/09/2013 09:56 AM
Subject: Fwd: Creosote Contaminants

Good morning Jennifer,

This is what I wanted to talk with you about. Nancy Fagan and Rick Ehrhart had her get in touch with me to ask me what she should do. I did send this e-mail to George Pettigrew while you were out. When we talk on the phone I will bring you up to date on what is happening.

Shirley

From: "Jean Francisco" <ajwfran@yahoo.com>

To: sann320@comcast.net

Sent: Wednesday, January 2, 2013 10:19:21 AM

Subject: Creosote Contanimants

My name is Agnes W. Francisco. my community is predominately black and poor, we are sandwiched between two creosote plants, one is formerly [Durawood Creosote] which is now Stella Jones Plant, the other is Colfax Treating Co. There are many older and young people has died from chemical that was poured in the Chatlin Lake, and when it rained the ditches had a smell and oil scene. Ms. Maxine is 48 and has been diagnosed with Myloma. Her father died of cancer, he worked at Durawood, and many workers died of cancer. At night the air is so strong from creosote, especially when the wind blows south. When we first moved to Alexandria in 1951 the ditches were open and after a rain the water would recede the creosote was visible, we would play in those ditches. My mother grew vegetables which we ate. We ate crawfish from those ditches and the next door neighbor's had chickens which we ate as well. At one point, there were particles on the clothes from the plants. Four years ago I was told that my sister's home was highly contaminated on the cross-joyce's in the ceiling. She died of colon cancer and many more people died of colon cancer. In every house someone has died of colon, breast, prostate, kidney cancer, lupus, skin cancer or heart diseases. We need these plants to be accountable and take responsibility for the damages that has been done to this community. I'm thanking you in advance for any help that can be provided by the Environmental Justice Department.

Thanks again

Agnes W. Francisco

**- ENFORCEMENT CONFIDENTIAL -
REGION 6 EXECUTIVE SUMMARY**

TOPIC: Colfax Treating Company (formerly Roy O. Martin, also known as Durawood), Alexandria, LA

DATE: January 31, 2013

CONTACT: Nancy Fagan

PURPOSE/ACTION NEEDED: Informational Update

BACKGROUND:

The Colfax (ROM) site is a GPRA site conducting cleanup and closure under a *Final Hazardous Waste Post-Closure Permit Renewal – Post-Closure Permit (LAD008-184-616-PC-RN-1)*, effective October 22, 2007, issued by the LDEQ. The HSWA portion of the post-closure permit requires investigation and corrective action of all contaminated media, both on-site and off-site, for all Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs), as identified in the post-closure permit. Colfax (ROM) Treating Company has completed RFI investigations of all onsite units. To determine the extent of contamination in soils and groundwater at potential offsite locations, ROM completed sampling in February and October 2012 at the eastern continuance of the former Chatlin Lake Canal and adjacent to Hynson Bayou. ROM sampling results show no offsite contamination; however, since the locations were not true offsite locations, EPA and LDEQ will combine efforts to collect additional samples (using the EPA laboratory). These determinations are necessary for LDEQ to code the CA400 for site-wide remedy for this GPRA site.

CURRENT STATUS:

EPA and LDEQ will collect additional soil and groundwater offsite samples in March 2013. EPA is pursuing the collection of information from LDEQ regarding the sale of partial property (the operating footprint) to **Tangent Rail**, and subsequently to **Stella Jones** (a Canadian company). If additional soil and groundwater sampling reveal concerns to offsite properties, EPA may pursue an enforcement action to request ROM to address the offsite concerns for soil and groundwater.

ENVIRONMENTAL/PUBLIC HEALTH CONCERNS:

The off-site area is adjacent to an older well-established neighborhood. Citizens have complained of past releases to air and releases to the creeks near the neighborhood. Ms. Francisco recently reported 20 deaths due to cancer in her neighborhood in the past 13 months. She also claims that current air releases from the Stella Jones operations are very noticeable at night.

TECHNICAL CONCERNS:

- Contaminants of concern are associated with K001 waste including polyaromatic hydrocarbons (PAHs) in soils and groundwater.

REGULATORY/LEGAL REQUIREMENTS:

PAH test results from off-site soil sampling will be compared to residential cleanup values.

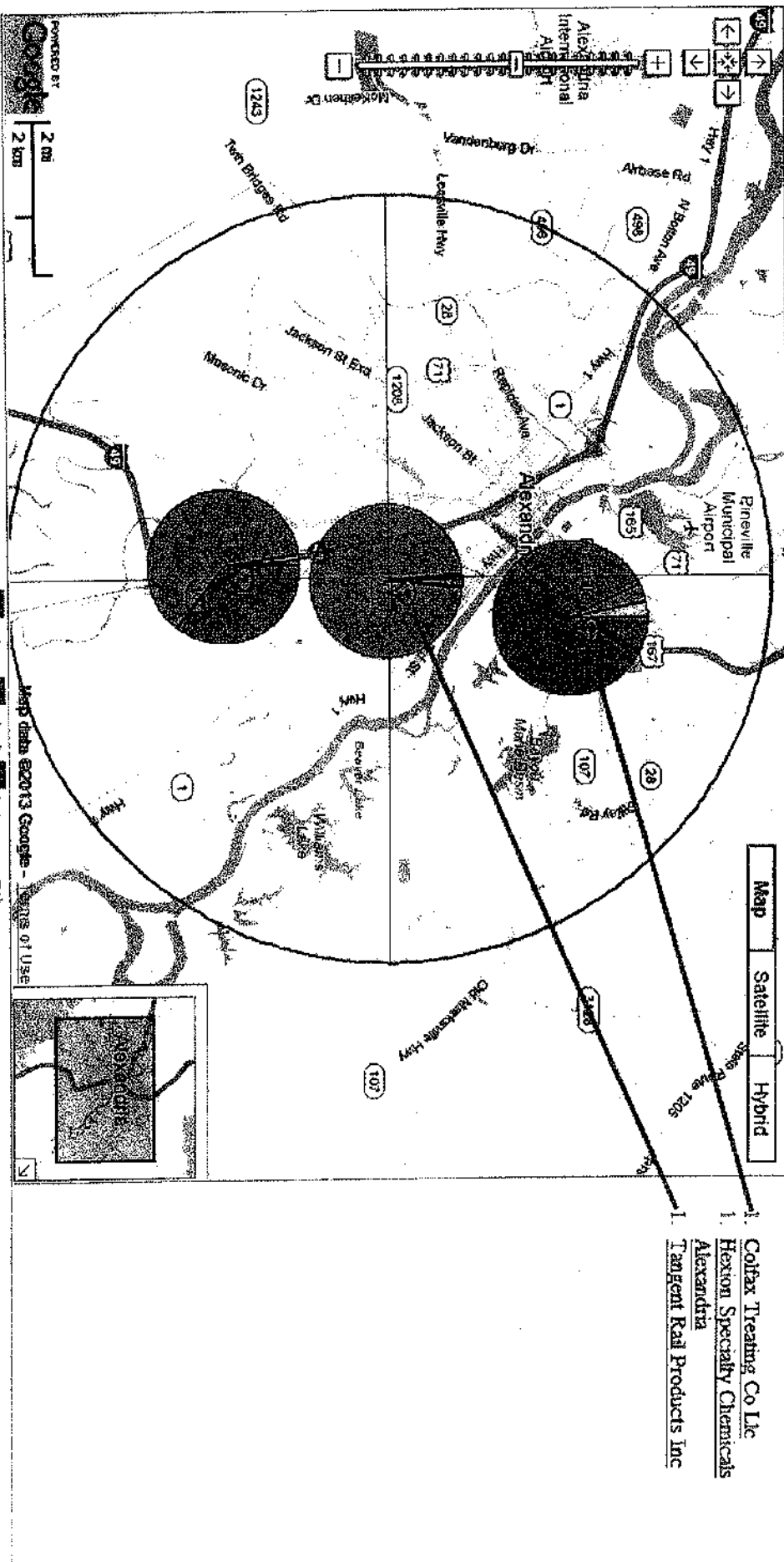
COMMUNITY CONCERNS:

- Concerned citizen, Ms. Agnes Francisco, has written letters to Lisa Jackson dated April 2, 2011 and May 28, 2011.
- EPA has responded to Ms. Francisco on a number of occasions, and Nancy Fagan and Steve Archibald (LDEQ) met with her in February 2012.

Race within 1 mile of Stella Jones (Tangent Rail Products):

TRI.NET

TRI Facilities within 5 miles of "3600 Koppers Street, Alexandria, LA 71302"
 Latitude: 31.2849300, Longitude: -92.4330700

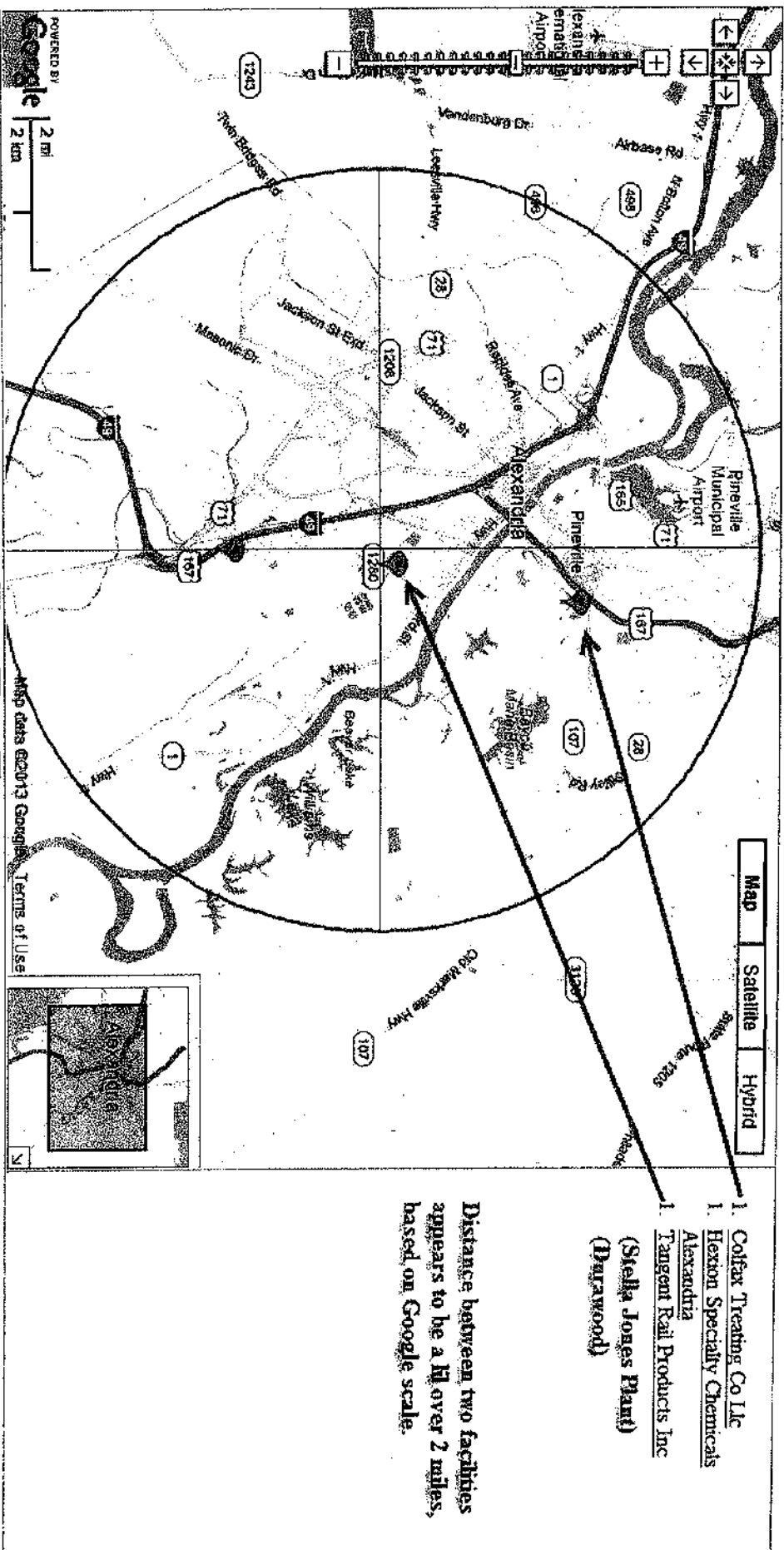


TRI.NET 1/31/2013 8:57:51 AM

Area of interest:

TRI.NET

TRI Facilities within 5 miles of "3600 Koppers Street, Alexandria, LA 71302"
 Latitude: 31.2849300, Longitude: -92.4330700



POWERED BY Google
 2 mi 2 km
 E 1 Mile: Buffer, Minority, Poverty, Hispanic, Income, Race
 E 3 Mile: Buffer, Minority, Poverty, Hispanic, Race, Income

TRI.Net 1/31/2013 8:28:08 AM

Lyke, Jennifer

From: Fagan, Nancy
Sent: Thursday, April 25, 2013 9:19 AM
To: Lyke, Jennifer
Subject: FW: Colfax litigation

Jennifer,

Israel and I discussed sending Dr. Ratard a response (as an agency). Can you call me sometime today, so we can discuss? When Charlotte gets in on Monday (she's been out this week) – Israel wants us to have an internal meeting to discuss our response.

Nancy

From: Raoult Ratard [mailto:Raoult.Ratard@LA.GOV]
Sent: Friday, April 19, 2013 6:19 PM
To: Dianne Dugas; Runnels, Charlotte; Lyke, Jennifer; Fagan, Nancy; Anderson, Israel
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
Subject: Colfax litigation

In a rational world, issues must be addressed rationally.

Quotes from the letter sent to Ms. Francisco, a concerned citizen about health effects experienced in her neighborhood state:

1-"Although both PCP and CCA have been linked to cancer, identifying the causes of the cancers in your location was challenging because the residents were diagnosed with different types of cancers which have different risk factors. Since there were a small number of particular types of cancers in your neighborhood, it is not possible to determine if the cancer rates are higher than expected. Since many of the residents who had been diagnosed with cancer lived in the community for different lengths of time and had different occupations, it is difficult to link the cancer to a specific exposure and to determine when, or if, they came in contact with the cancer causing agent".

2-"LDEQ Steve Archibald stated that he had visited your home on January 25, 2010 and revisited your area on June 15, 2010 to conduct an inspection at the former Durawood facility and to identify the potential pathways for exposure to wood preserving and treatment chemicals. Mr. Archibald stated that based on the information that was collected during their inspection, the LDEQ was not able to identify current potential pathways for exposure to wood preserving and treatment chemicals from surface water, sediments, soil and groundwater".

3- "You also mentioned that you were concerned about lupus... LDHH also conducted a literature review to find out if lupus has been linked to any chemicals that are found in creosote. The staff was unable to find any information that linked creosote exposure to lupus".

4-"Graves Disease... The staff was unable to find any information linking thyroid conditions to creosote".

5-"Although the environment plays an important role in human development and health, it is difficult to determine how chemicals that are found in the environment affect our health because there are many risk factors that determine if a person will develop a particular disease such as thyroid conditions, cancer and lupus. These health conditions can be caused by a variety of factors ranging from genetic and environmental to behavioral (diet and other personal habits) and occupational. Researchers have been able to make links between some environmental hazards with specific diseases such as exposure to asbestos and lung cancer. Others are believed to exist but further research is needed to make these associations".

6-The health preliminary review of Colfax treating company, Alexandria facility, Rapides Parish, Louisiana states: "Exposure Pathway: No routes of exposure exist between residual groundwater contaminants or soil contaminants at the site and the public". and under the section "Conclusions: Based upon the most recent environmental data review (groundwater samples collected in April 2010 and soil samples collected in 2004), SEET concludes that the groundwater and soil at the Colfax-Alexandria site will not harm people's health because under current site conditions, no routes of exposure exist between residual groundwater contaminants or soil contaminants at the site and the public".

Have any of the conclusions been invalidated by any new data? Why do a house to house survey?

1-This kind of house to house survey is the worst approach one can imagine. We have no hypothesis on any environmental agent with a pathway to the population, no hypothesis on which illness condition we would be looking for. We know that one person identified the following conditions (Cardiovascular Disease (not specified), Heart mummer, Hypertension, Blood disorder, Enlarged heart, Arrhythmia, Diabetes (type 2), Juvenile Diabetes, Stroke, Respiratory Problems (not specified), Sinus, Asthma, Allergies, Sleep Apnea, Lupus, Skin Disease (not specified), Eczema, Fibromyalgia, Arthritis, Rashes (not specified), Rashes (stomach, arm, face, hands), Hysterectomy, Miscarriages, Low-birth weight, Underweight full-term offspring (4lbs), Female Infertility, Male infertility, Prostate problems (not specified), Dizziness, Abnormal growth on the neck, Abnormal growth on the head, TB, Diptheria, ALS, Gallbladder, Paralysis (from waist), Seizures, Enlarged Spleen, Headaches, Spots on liver, All organ stuck together (female). Including the repeat conditions there 172 conditions.

2-A house to house survey is very difficult to organize. People are not at home during the day. Contact has to be made in the evening at a time when many people are involved in other activities such as cooking, eating dinner, checking home work and watching TV. Besides there are some issues with the safety of the surveyors traipsing around neighborhood at dusk.

3-Compiling all this data would take an enormous amount of staff time. Even if the data was delivered to you on a silver platter, what would you do with it after weeks of data entry. No definite conclusions can be reached when one has no rational hypothesis to start with.

4-The issue is already in litigation (<http://wiki.legalexaminer.com/topic/colfax-treating-co.aspx> ;).

The Louisiana Supreme Court made a negative decision on class certification

(<http://www.edwardswildman.com/files/upload/WestlawBAustin.pdf>). There is absolutely no public health benefit to inject DHH/OPH into such a contentious issue.

In a 40 years as an epidemiologist I have never heard of such a crazy idea. Could we try to be a little more reasonable here?

Raoult Ratard MD, MS, MPH&TM
State Epidemiologist
Louisiana Office of Public Health
1450 Poydras, Ste 2159, New Orleans, LA 70112,
(504) 458-5428
raoult.ratard@la.gov

From: Dianne Dugas
Sent: Friday, April 19, 2013 11:45 AM
To: Raoult Ratard
Cc: Kathleen Aubin; Eman Williams; Shannon Soileau; White, Luann E
Subject: FW: DHH Meeting

Below are the string of emails that we received this morning concerning collecting health information from local residents near the Colfax facility in Alexandria.

From: Kathleen Aubin
Sent: Friday, April 19, 2013 11:20 AM
To: Dianne Dugas
Subject: FW: DHH Meeting

From: Eman Williams
Sent: Friday, April 19, 2013 10:56 AM
To: Kathleen Aubin
Subject: FW: DHH Meeting

From: Fagan, Nancy [<mailto:Fagan.Nancy@epa.gov>]
Sent: Friday, April 19, 2013 10:55 AM
To: Lyke, Jennifer; Runnels, Charlotte; Anderson, Israel; Eman Williams
Subject: RE: DHH Meeting

<http://www.bluecliffedu.com/blue-cliff/alexandria-la/clinical-medical-assisting.aspx>

This college is in Alexandria, and they have a program for medical assistants.

From: Lyke, Jennifer
Sent: Thursday, April 18, 2013 6:08 PM
To: Fagan, Nancy; Runnels, Charlotte; Anderson, Israel; Eman Williams
Subject: Re: DHH Meeting

There may be HIPAA issues with that. Not sure. Good idea though.

From: Fagan, Nancy
Sent: Thursday, April 18, 2013 4:58:24 PM
To: Runnels, Charlotte; Anderson, Israel; Eman Williams; Lyke, Jennifer
Subject: RE: DHH Meeting

Agnes says there is a small college in Pineville, actually close to the Colfax facility (which is still owned and operated by Roy O. Martin).

From: Runnels, Charlotte
Sent: Thursday, April 18, 2013 4:56 PM
To: Anderson, Israel; Eman Williams; Fagan, Nancy; Lyke, Jennifer
Subject: RE: DHH Meeting

Using college students to help collect the data sounds like a great idea. LDHH what do you think about this idea?

m: Anderson, Israel
Sent: Thursday, April 18, 2013 4:53 PM
To: Runnels, Charlotte; Eman Williams; Fagan, Nancy; Lyke, Jennifer
Subject: RE: DHH Meeting

How about the use of college students if there is a university or college near by?

From: Runnels, Charlotte
Sent: Thursday, April 18, 2013 4:49 PM
To: Eman Williams; Anderson, Israel; Fagan, Nancy; Lyke, Jennifer
Subject: FW: DHH Meeting

Eman, thanks for pulling the meeting together for Ms. Agnes and the residents in Alexandria. I spoke with Ms. Agnes today regarding the conference call on Tuesday. She would like to know which agency can come to their area and go door to door to get the information for the LDHH and the Tumor Registry. She thinks this task would be very overwhelming for her to tackle alone but would like to see how she can get some assistance to move this forward.

Please follow-up with her with any suggestions that might help her in this effort.

Charlotte
(214) 665-6442

From: Eman Williams [<mailto:Eman.Williams@LA.GOV>]
Sent: Tuesday, April 09, 2013 3:53 PM
To: Chris Ratcliff
Cc: Kathleen Aubin; Runnels, Charlotte
Subject: DHH Meeting

Good Afternoon Mr. Ratcliff:

Charlotte Runnels from EPA Region 6 informed us that you would be conferencing into the meeting that we are holding next week in Alexandria. We were interested in contacting you to provide you with the meeting agenda.

Thank you for agreeing to participate on the call. Please contact us if you need any additional information regarding this meeting.

Ema'n M. Williams, MSPH
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
Phone: 504-568-8143
Fax: 504-568-8149

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Attachments: Colfax community meeting agenda 04082013.docx

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Lyke, Jennifer

From: Runnels, Charlotte
Sent: Friday, February 01, 2013 10:03 AM
To: Anderson, Israel; Devito, Steve; Wakeland, Morton; Verhalen, Frances; Fagan, Nancy; Anderson, Israel; Lyke, Jennifer
Subject: Follow Up - 1/31/13 Colfax (Roy O Martin), Tangent Rail - Stella Jones Meeting

Thanks everyone for participating in the discussion on yesterday. Hope I captured everything, if not, let me know.

Follow up items below:

EJ - POC

EJ - Contact Region 6 Air staff regarding monitoring

EJ - Contact 6EN - Air Enforcement

EJ - Contact LDEQ Chris Ratcliff - monitors & existing data

Fran - Provide ID# for Stella Jones

- Conduct a OTIS Run - Stella Jones/Roy O Martin

Nancy - Send photos to everyone

- Provide Colfax off-site RFI Data Report (after receipt)

Morton - Provide history of ownership - send to Nancy

Jennifer - Possible Health Consultation (needs past data to begin with)

Charlotte Runnels

Office of Environmental Justice and Tribal Affairs

Environmental Justice Liaison - Louisiana

Environmental Protection Agency

1445 Ross Avenue

Dallas, Texas 75202-2733

(214) 665-6442 (voice)

(214) 665-2124 (fax)

Lyke, Jennifer

From: Fagan, Nancy
Sent: Friday, February 01, 2013 10:10 AM
To: Runnels, Charlotte
Cc: Verhalen, Frances; Anderson, Israel; Lyke, Jennifer; Wakeland, Morton; Devito, Steve
Subject: Re: Follow Up - 1/31/13 Colfax (Roy O Martin), Tangent Rail - Stella Jones Meeting

Thanks Charlotte!
Here is the fact sheet we had in the meeting yesterday:



ROM Colfax,
Alexandria, LA 013..

Here is the report from the February 2012 EPA visit:



EPA Region 6 Site
Visit Colfax...

From: Charlotte Runnels/R6/USEPA/US
To: Israel Anderson/R6/USEPA/US@EPA, Steve Devito/DC/USEPA/US@EPA, Morton Wakeland/R6/USEPA/US@EPA, Frances Verhalen/R6/USEPA/US@EPA, Nancy Fagan/R6/USEPA/US@EPA, Israel Anderson/R6/USEPA/US@EPA, Jennifer Lyke/R6/USEPA/US@EPA
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**- ENFORCEMENT CONFIDENTIAL -
REGION 6 EXECUTIVE SUMMARY**

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DATE: January 31, 2013

CONTACT: Nancy Fagan

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- Contaminants of concern are associated with K001 waste including polyaromatic hydrocarbons (PAHs) in soils and groundwater.

REGULATORY/LEGAL REQUIREMENTS:

PAH test results from off-site soil sampling will be compared to residential cleanup values.

COMMUNITY CONCERNS:

- Concerned citizen, Ms. Agnes Francisco, has written letters to Lisa Jackson dated April 2, 2011 and May 28, 2011.
- EPA has responded to Ms. Francisco on a number of occasions, and Nancy Fagan and Steve Archibald (LDEQ) met with her in February 2012.

EPA Region 6 Site Visit

Colfax Treating Company [formerly Roy O. Martin (ROM)], Alexandria, LA

February 27 – 28, 2012

EPA ID number LAD069524981

LDEQ Agency Interest number AI 97707

Background

The Colfax Treating Company, LLC (formerly Durawood Treating Company) property is located at 3600 Koppers Street in Alexandria, Rapides Parish, Louisiana. The American Lumber and Treating Company originally constructed the wood preservation facility in 1926. In 1944, Koppers Company, Inc., (Koppers Company, Inc. was purchased by Beazer East, Inc. in 1988) purchased and operated the wood preservation facility utilizing creosote and pentachlorophenol in the process. In 1970, the facility and property was purchased by the Roy O. Martin Lumber Company, Inc., and began operations under the name Durawood Treating Company utilizing creosote and on-site generated used oil in the wood preservation process. In December of 1999, Railworks Wood Products, Inc., purchased the wood preservation facility to continue operations under the business name of Dura-Wood, LLC (Dura-Wood, LLC filed for protection under the U.S. Bankruptcy Code in 2001). Colfax Treating Company, LLC, (a subsidiary of the Roy O. Martin Lumber Company, Limited Partnership) retained ownership and responsibility of the northeastern portion of the property containing the two closed hazardous waste management units, groundwater monitoring wells, groundwater recovery wells, and most of the piezometers. The property retained by Colfax Treating Company, LLC contains approximately 11.87 acres.

In 1986, Durawood Treating Company completed closure of the vacuum pump cooling water ponds and a portion of the former Chatlin Lake Canal that crossed the property as RCRA Treatment, Storage and Disposal (TSD) units. On September 30, 1994, the LDEQ issued Durawood Treating Company a Final Hazardous Waste Post-Closure Permit for the two closed hazardous waste management units, effective on November 7, 1994. On September 30, 1996, the facility was issued a permit modification to include the Hazardous and Solid Waste Amendments (HSWA) provisions. The permit modification became effective on November 6, 1996, remaining in effect until November 7, 2004. The Post-Closure Permit for the facility has been renewed with an effective date of August 27, 2007.

Soil and Groundwater

As part of the RCRA Facility Investigation (RFI), investigation activities were conducted in August of 1999 to determine the impact along the former Chatlin Lake Canal. Soil and groundwater samples obtained from the western end of the former canal exhibited constituent concentrations above the alternate concentration limit established by the administrative authority under LAC 33:1 Chapter 13, RECAP. The extent of impact along the western end of the former canal was not determined at the time.

In April of 2004, an additional off-site investigation was conducted to determine the extent of impact to soil and groundwater along the former Chatlin Lake Canal. The "RFI Workplan Addendum (East End of Canal Continuance)" indicates that the extent of contamination has been delineated to the western end of the former Chatlin Lake Canal and proposes additional investigation activities along the eastern end of the former Chatlin Lake Canal to delineate the extent of contamination in soils. Visual observations made during the off-site investigation confirmed the presence of creosote constituents in surface soil along the eastern end of the former canal. The former residential area in the

vicinity of the eastern end of the former canal, has been acquired by the Colfax Treating Co., LLC for the purposes of controlling access to contaminated surface soils (See Figure 1). Colfax has placed restrictions on any activity in this area that may disturb surface soils or create exposure pathways, including notifications to the railroad and the City of Alexandria. Based on the above considerations, the eastern end of the former canal is not accessible to residents, workers, and, construction workers; however, this area may be accessible to trespassers.

On December 28, 2006, Colfax Treating Co., LLC, in cooperation with LDEQ, installed signs adjacent to the eastern portion of the canal warning against digging or other activities in this area. Colfax negotiated with the City of Alexandria and with the railroad and now the entire area is fenced and provides additional access control.

The facility installed a groundwater recovery system as a means of corrective action. Groundwater is recovered from eight recovery wells located along the closed section of the former Chatlin Lake Canal and pumped to a continuous mix aeration basin for biological treatment. The groundwater is then discharged to the City of Alexandria POTW by authority of a City Discharge Permit. Compliance monitoring and corrective action is on going under the permit. Groundwater monitoring is conducted semi-annually in accordance with the Groundwater Sampling and Analysis Plan of the Final Hazardous Waste Post-Closure Permit, as renewed with an effective date of August 27, 2007. The groundwater monitoring reports indicate the presence of volatile and semi-volatile organic constituents and inorganic constituents at concentrations that exceed the practical quantitation limit, the EPA established drinking water standard, or the alternate concentration limit established by the administrative authority under LAC 33:1 Chapter 13, Risk Evaluation/Corrective Action Program (RECAP).

There are a total of forty-eight monitoring wells, recovery wells and piezometers at the facility. Currently, there is one designated upgradient well, five point of compliance wells, eight corrective action (recovery) wells and nine plume defining wells. In November of 2001, compliance wells MW-23 and MW-24 were converted into recovery wells MW-23R and MW-24R. In April of 2004, two additional plume defining wells, MW-35 and MW-36 were installed. The recovery wells recover groundwater from the Alluvial Zone, which is then pumped to a continuous mix aeration basin for biological treatment prior to being discharged to the City of Alexandria POTW by authority of a City Discharge Permit. The continuous mix aeration basin uses a flow totalizer to measure the amount of water discharged to the City of Alexandria POTW. The volume of water contributed by each well is estimated using ratios of the average instantaneous flow rates during each month.

EPA Region 6 Site Visit

February 27, 2012 EPA representative, Nancy Fagan arrived to conduct oversight of the offsite sampling event for the former Colfax Creosote site at 12:20 pm and met with LDEQ representative Steve Archibald and community citizen, Ms. Agnes Francisco.

We were joined by representatives from ROM. Nancy Fagan explained to Mrs. Francisco that they could meet her after the onsite visit to observe the "upstream" and "downstream" sampling locations. Steve Archibald and Ms. Fagan checked into the front gate. The ROM representatives escorted us to the offsite sampling locations (which are situated at the property boundaries). We were escorted to the "upstream" location near the cemetery to the north, and then to the "downstream" location near the neighborhood. (See Figure 2 and Photos 1 through 11.)

One offsite sample was collected at Hunter's Park, and had been collected earlier in the morning of the 27th before Ms. Fagan arrived. ROM representatives and Steve Archibald explained that the other samples for the "upstream" and "downstream" would not be collected that day, or the next day (the 28th) because of the rainwater running in the

streams from earlier rainfall. It was discussed that ROM will re-visit the two "offsite" locations this summer after dry periods to collect samples at the midpoint of each stream.

Of particular note is that the offsite sampling locations for the "upstream" and "downstream" are not true offsite samples, as they are planned to be collected at the property boundary. Another note: the former Colfax site is currently an operating facility, but is operating only under Stella Jones – a Canadian company. Before operation by Stella Jones, the site was operated by Tangent Rail. Region 6 Compliance Assurance and Enforcement Division conducted an inspection at the Tangent Rail site in 2010.

Steve Archibald and Ms. Fagan then visited with [redacted] in her home at [redacted]. Other citizens present at the meeting were [redacted] and [redacted] mother died of cancer, and [redacted] has been diagnosed with multiple myeloma. [redacted] presented us with a survey of people in the neighborhood south of the former Colfax site with lists of family members and descriptions of illnesses and diagnosed cancers. We also discussed the March 16, 2011 Letter Health Consultation prepared by LDHH under a Cooperative Agreement with ATSDR. [redacted] explained that when she discussed the results of the Health Consultation, the LDHH representative addressed her with a condescending tone and laughed at her. [redacted] described contaminants and odor from surface water runoff at the end of Bethel Street. All parties at the meeting got in vehicles and drove to Bethel Street. We proceeded to the end of the street closest to the operating Stella Jones facility (See Photos 12 through 16).

At the Bethel Street location, Ms. Fagan spoke to persons living on this street, [redacted] and [redacted]. The drainage from the operating facility (Stella Jones) runs directly behind [redacted] house. Ms. Fagan noted a very strong creosote smell at this location and noted that surface water drainage from a stack of treated timbers flowed directly into the offsite stream. Mr. Archibald said he would check into the LPDES permit for Stella Jones.

Ms. Fagan went back to the sampling location at Hunter Park to record photo documentation. (See photos 17 through 19). Ms. Fagan then departed the location for the hotel at about 4 pm.

February 28, 2012, Ms. Fagan returned to the former Colfax site and met with [redacted] and [redacted] at 8:30 am. [redacted] had made a copy of the file folder presented to us on February 27th. Ms. Fagan then drove to other areas around Hyson Bayou to take pictures of the downstream areas of the Bayou. (See Photos 20 – 24).

Steve Archibald met with us at 9 am, and we departed Hunter Park for the Colfax site in Pineville for a meeting with ROM representatives.

Ms. Fagan departed the Pineville Colfax site at 10:15 to catch an 11:25 flight back to Dallas, Texas.

Follow-up information to the February 27 and 28, 2012 site visit:

Ms. Fagan met with Jennifer Lyke of ATSDR on March 28, 2012 and along with discussing the neighborhood situation with Ms. Lyke, Ms. Fagan gave Ms. Lyke copies of the March 16, 2011 Health Consultation Letter sent to [redacted]

Ms. Fagan met with representatives from Superfund on April 26, 2012 to request sampling in the neighborhood south of the Colfax facility.

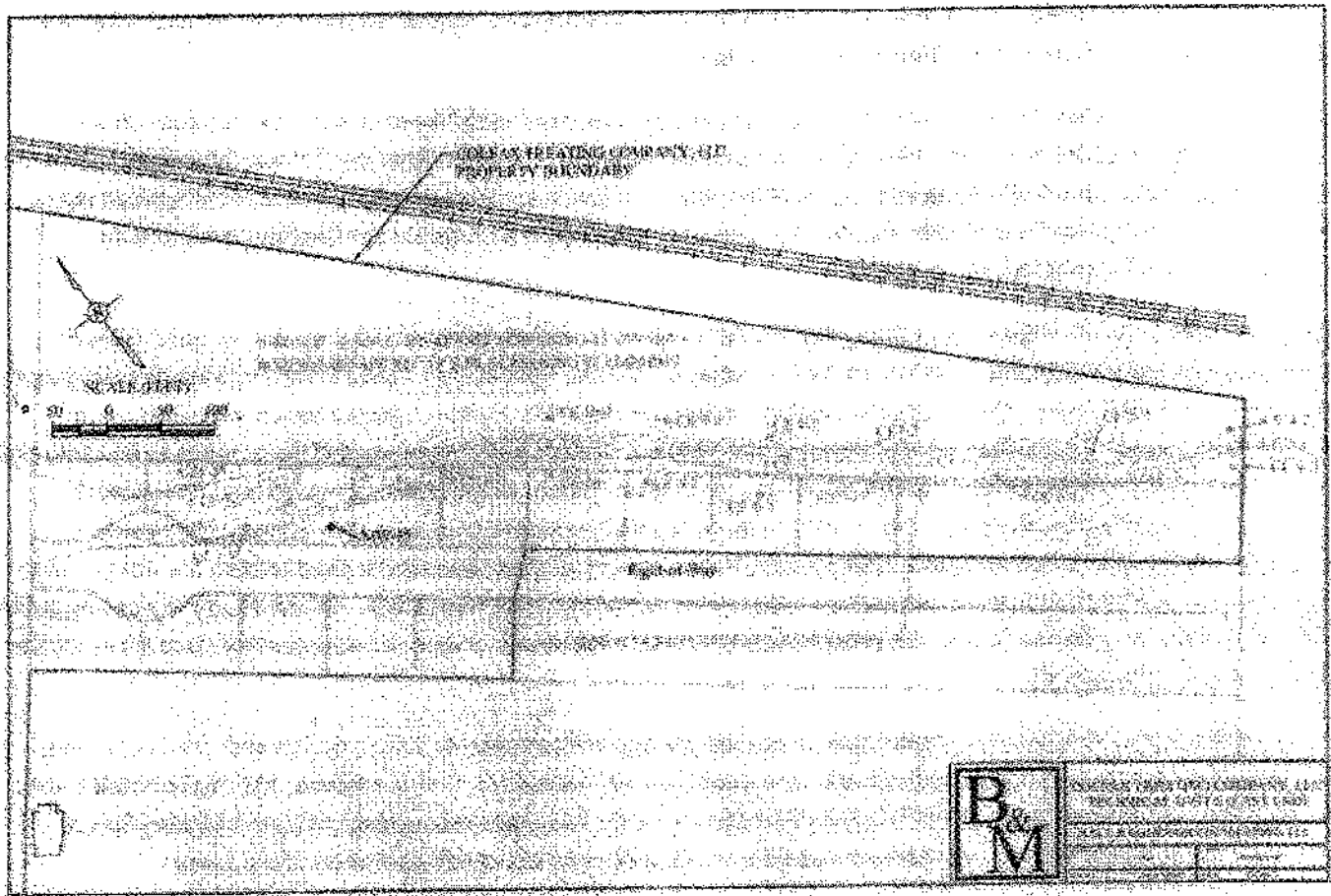


Figure 1

2004 sample locations along the new section of the Colfax property (formerly a neighborhood street). The sites annotated in red are locations with results above the LDEQ RECAP standards.

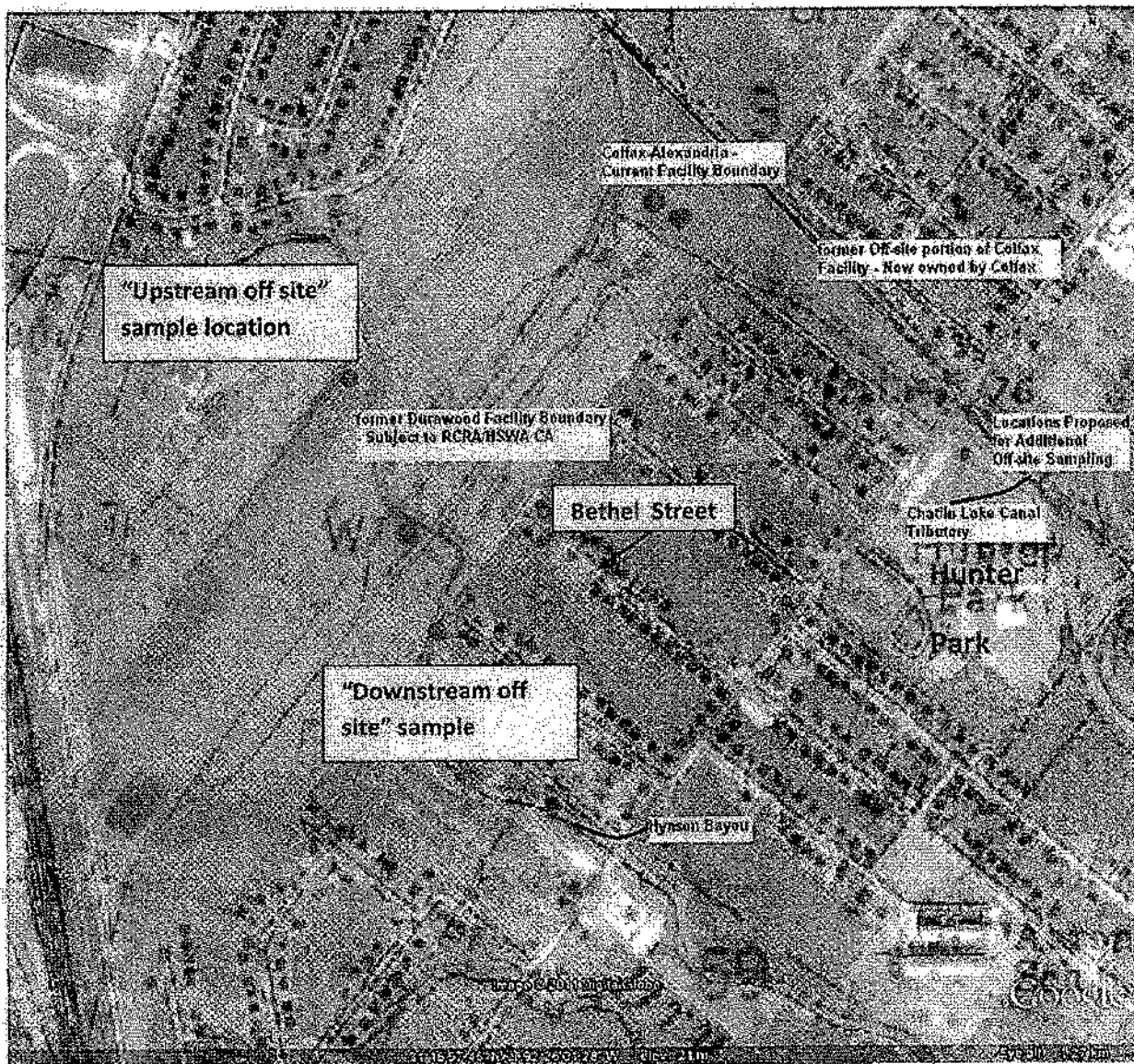


Figure 2

2012 Offsite Sample Locations

Photos *



Photo 1: North or "upstream offsite sample location" for offsite sample. Photo shows portion of the stream flowing towards the facility.

*All photos taken by EPA representative, Nancy Fagan. Photos 1 - 19 were taken on February 27, 2012.

Photos 20 - 24 were taken on February 28, 2012.



Photo 2: Upstream location. Photo shows closer view of stream condition (some debris and algae).

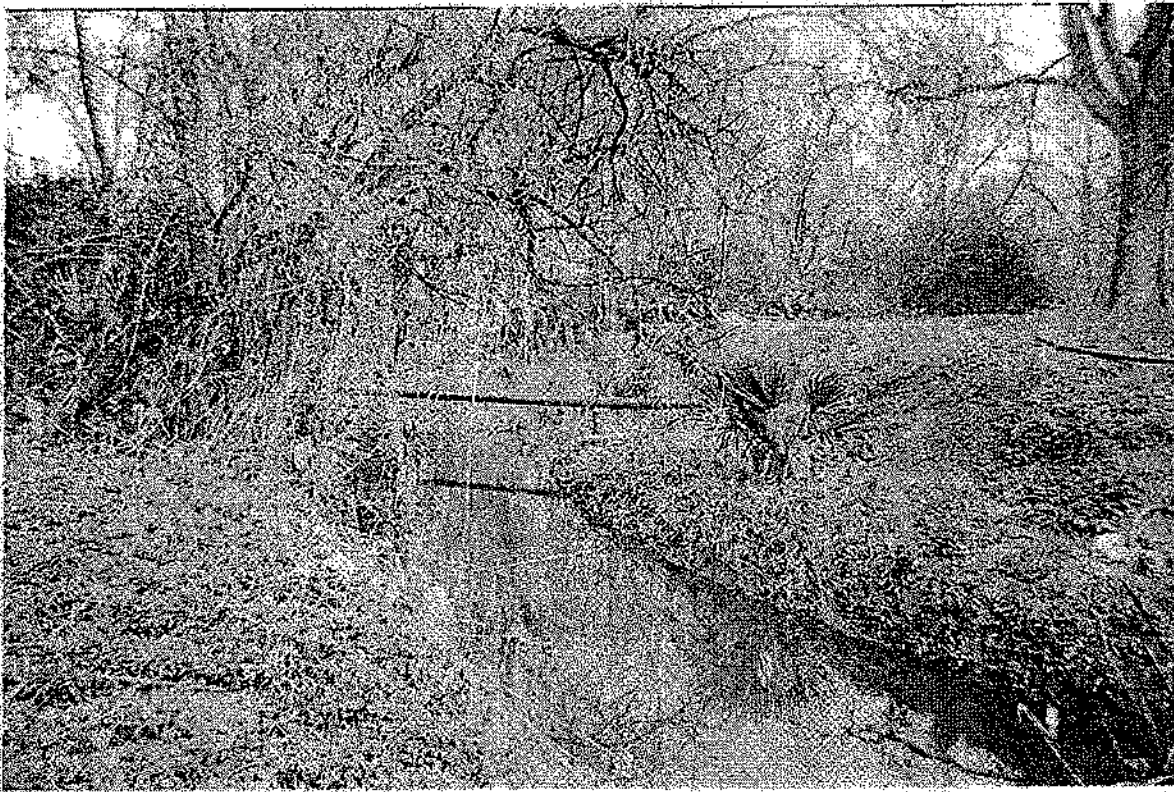


Photo 3: North or “upstream offsite sample location” for offsite sample. Photo shows portion of the stream flowing towards the facility.



Photo 4: "Downstream off site sampling location" near the neighborhood.



Photo 5: "Downstream off site sampling location" near the neighborhood



Photo 6: "Downstream off site sampling location" near the neighborhood.

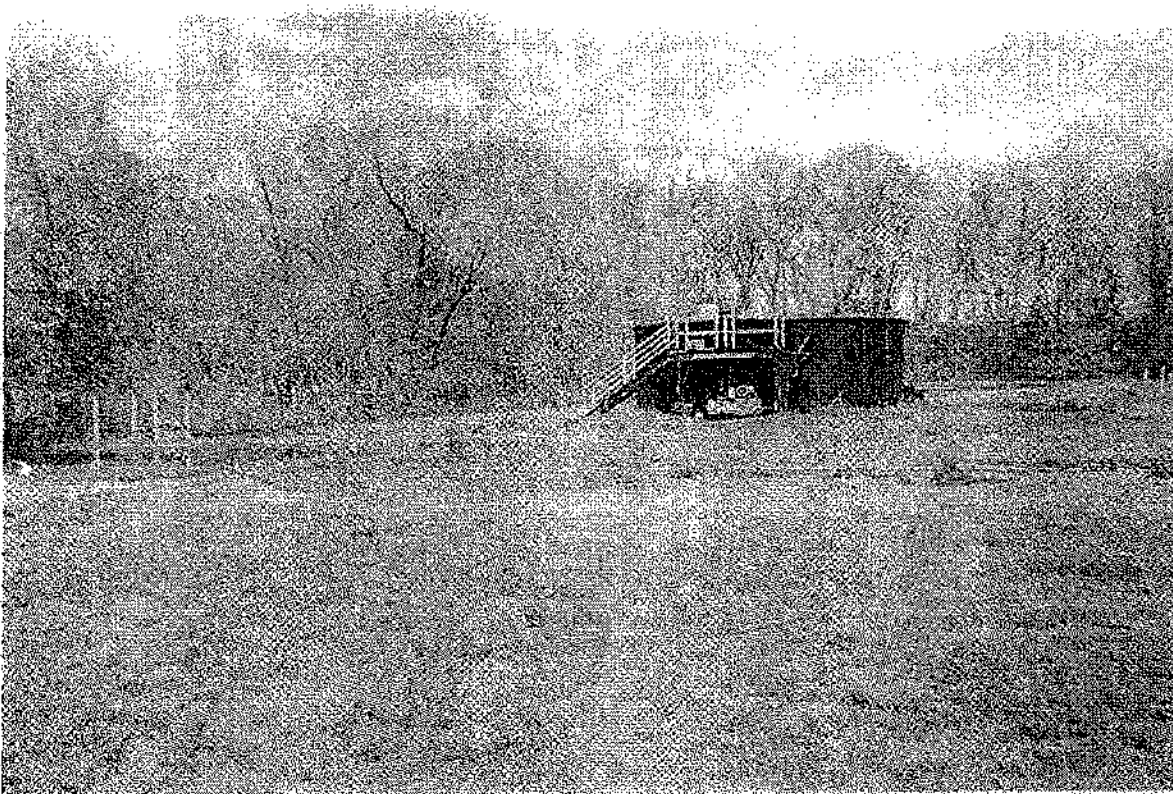


Photo 7: Onsite Colfax location of the tank used for bioremediation , known as the "treatment tank".

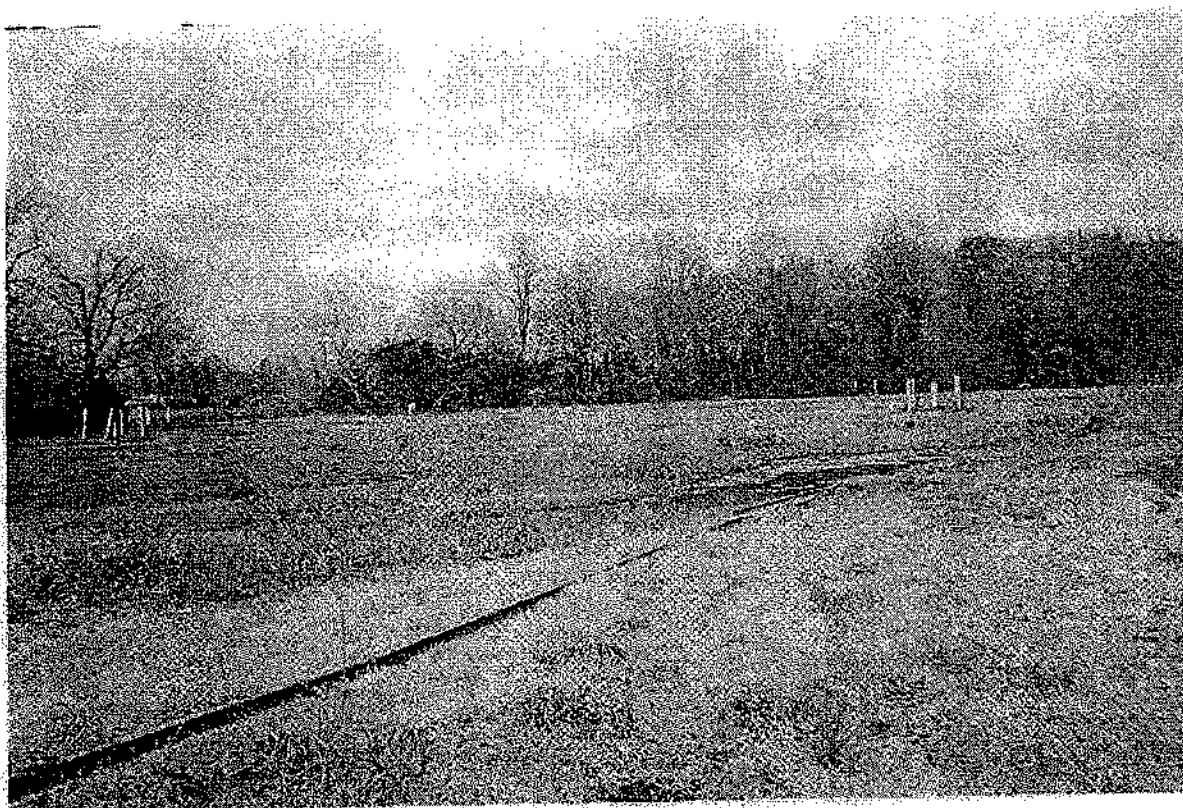


Photo 8: Monitoring wells on Colfax site.



Photo 9: Monitoring wells on Colfax site.

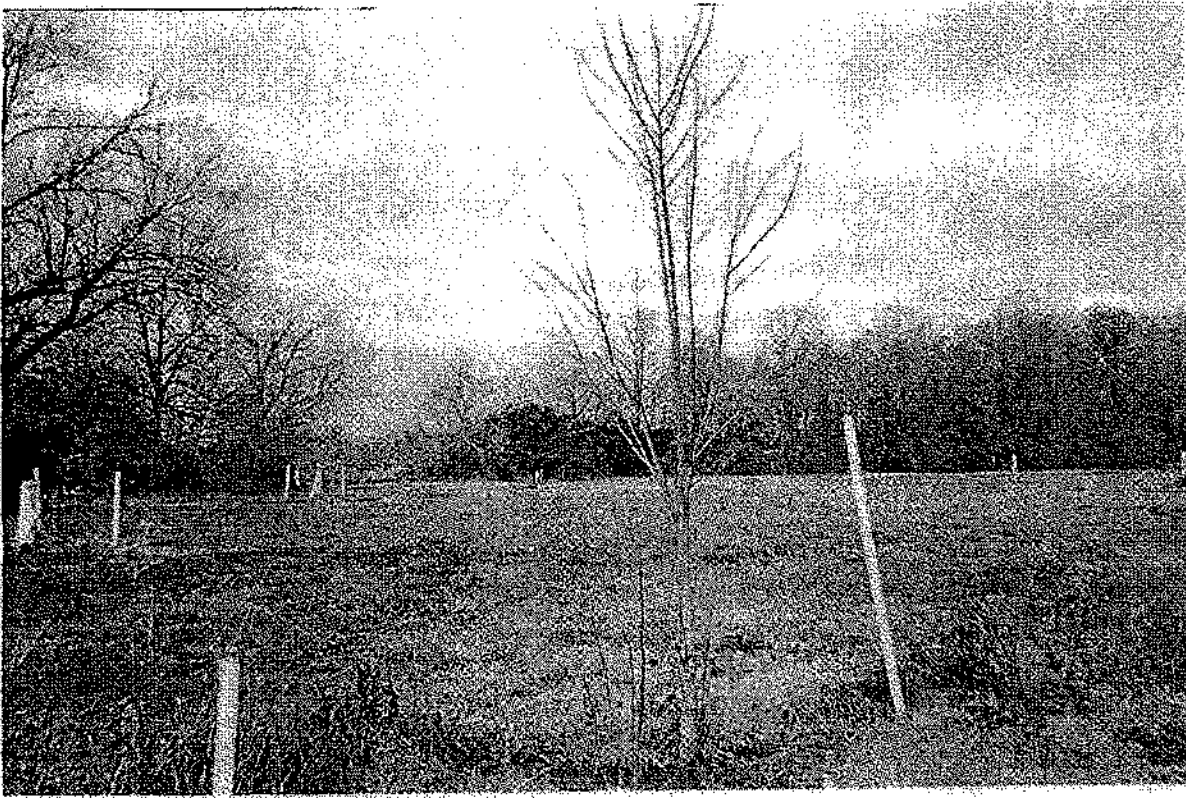


Photo 10: Monitoring wells on Colfax site.

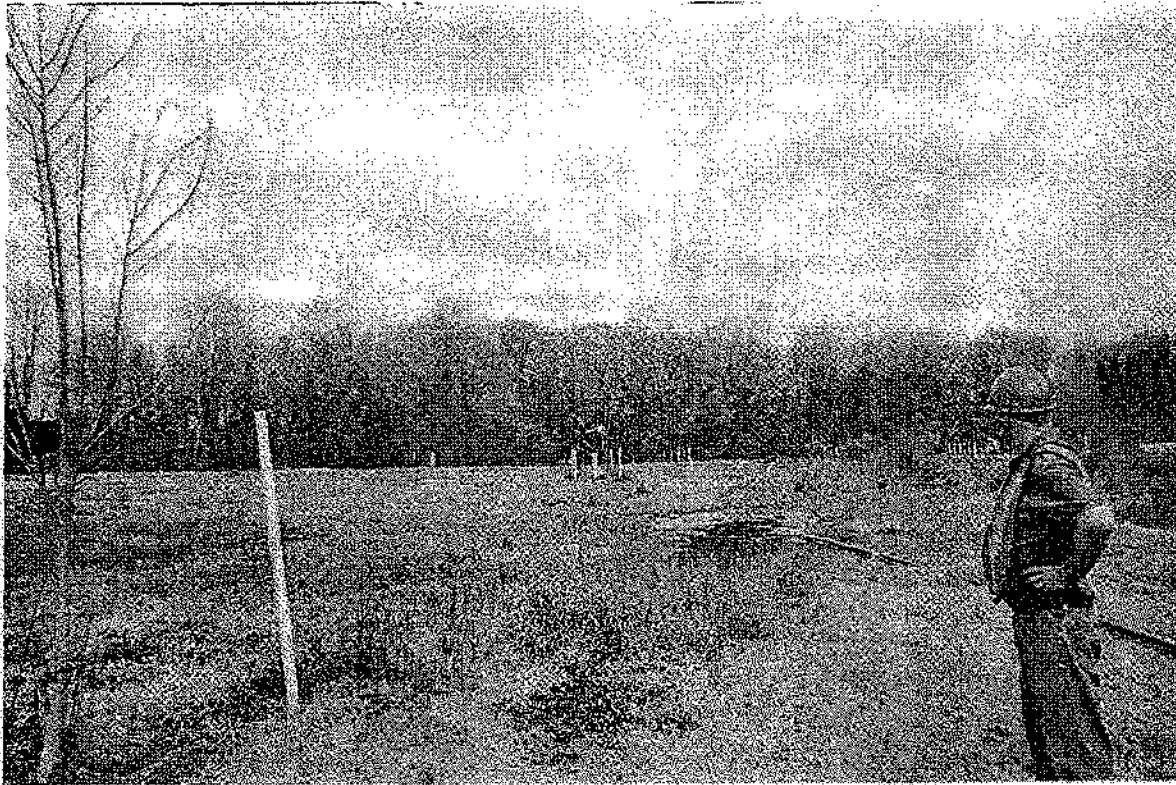


Photo 11: Monitoring wells on Colfax site.

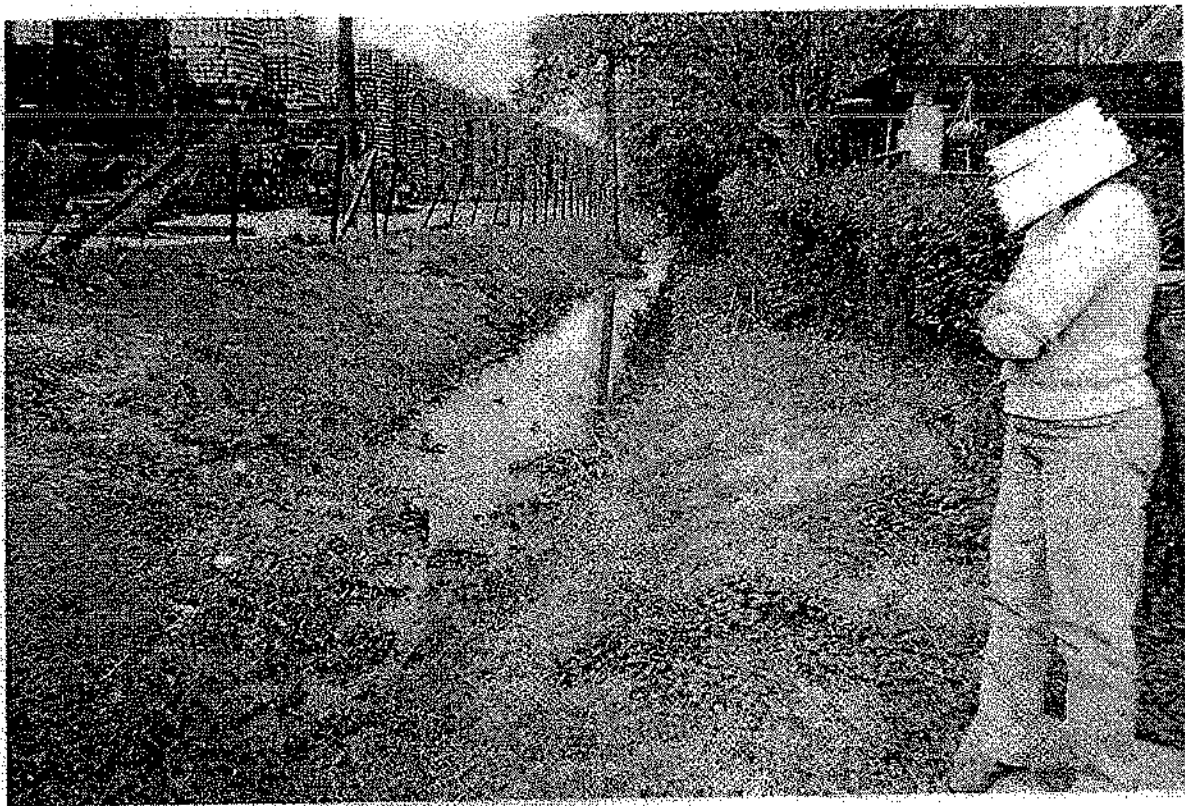


Photo 12: observing area of potential run-off from the facility to the neighborhood at the end of Bethel Street. (Note the close proximity of storage of treated timbers to the offsite stream, and the close proximity to the neighborhood houses.)

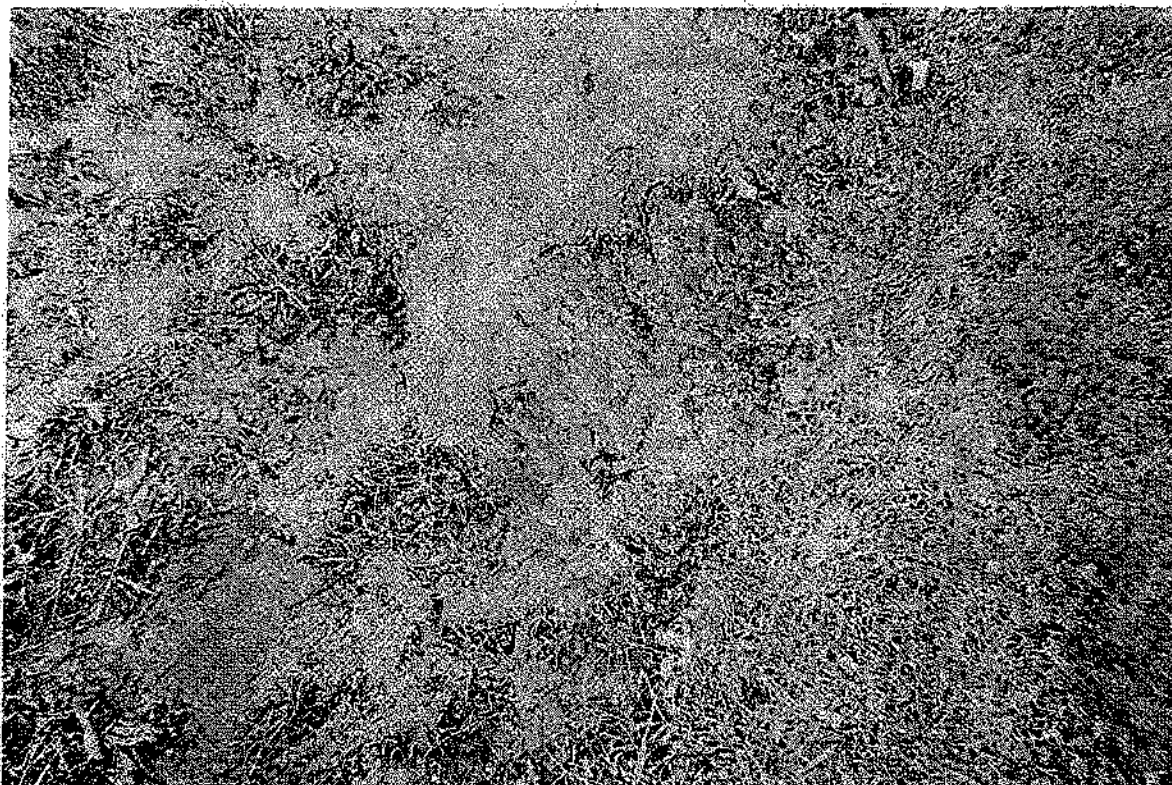


Photo 13: Close up picture of algal growth at the same location as Photo 12, in the stream at the end of Bethel Street.



Photo 14: Close up picture of algal growth at the same location as Photo 12, in the stream at the end of Bethel Street.

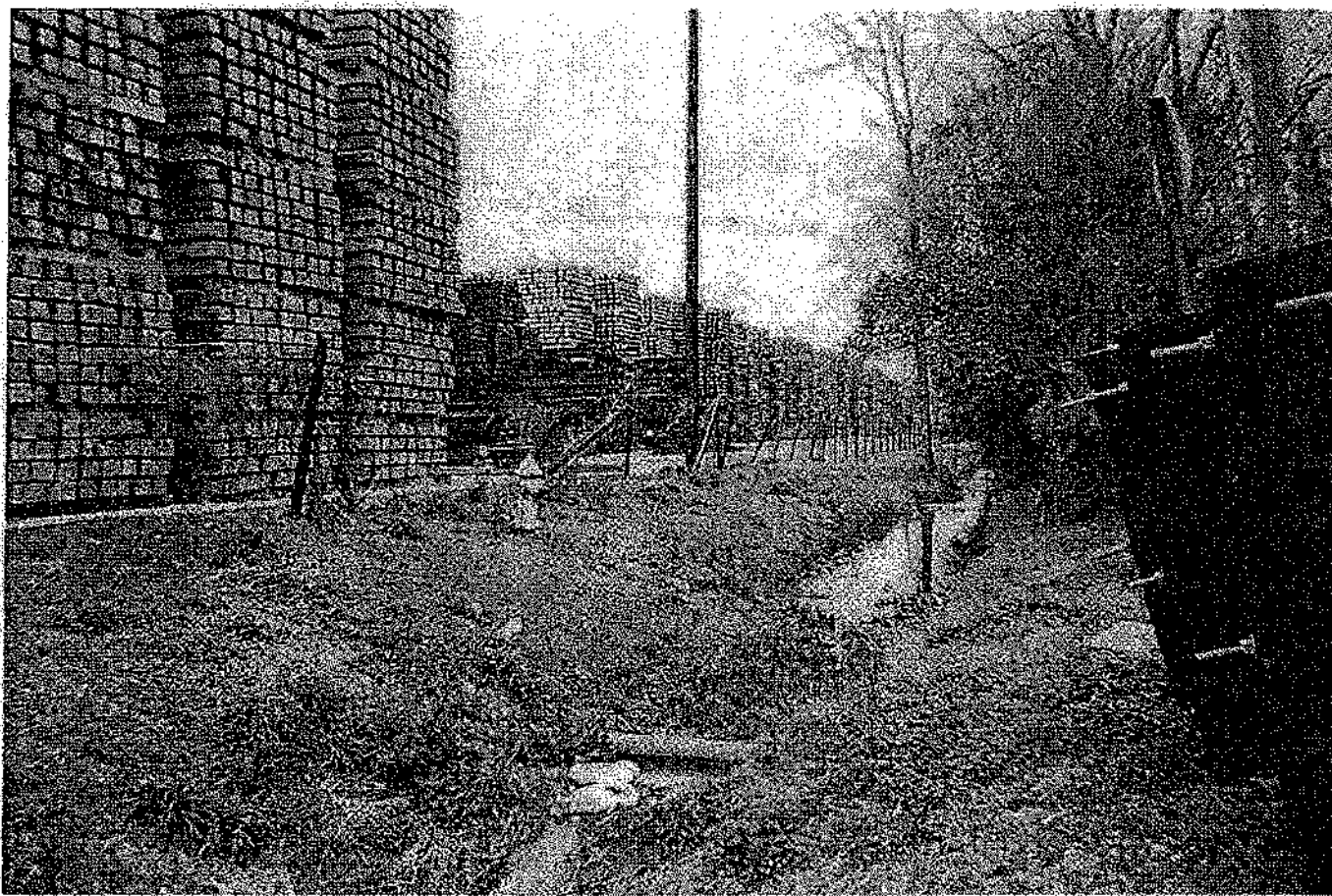


Photo 15: Another picture taken at the same location as Photo 12 at the end of Bethiel Street. Fencing around the site is in need of repair. This was reported to the facility.

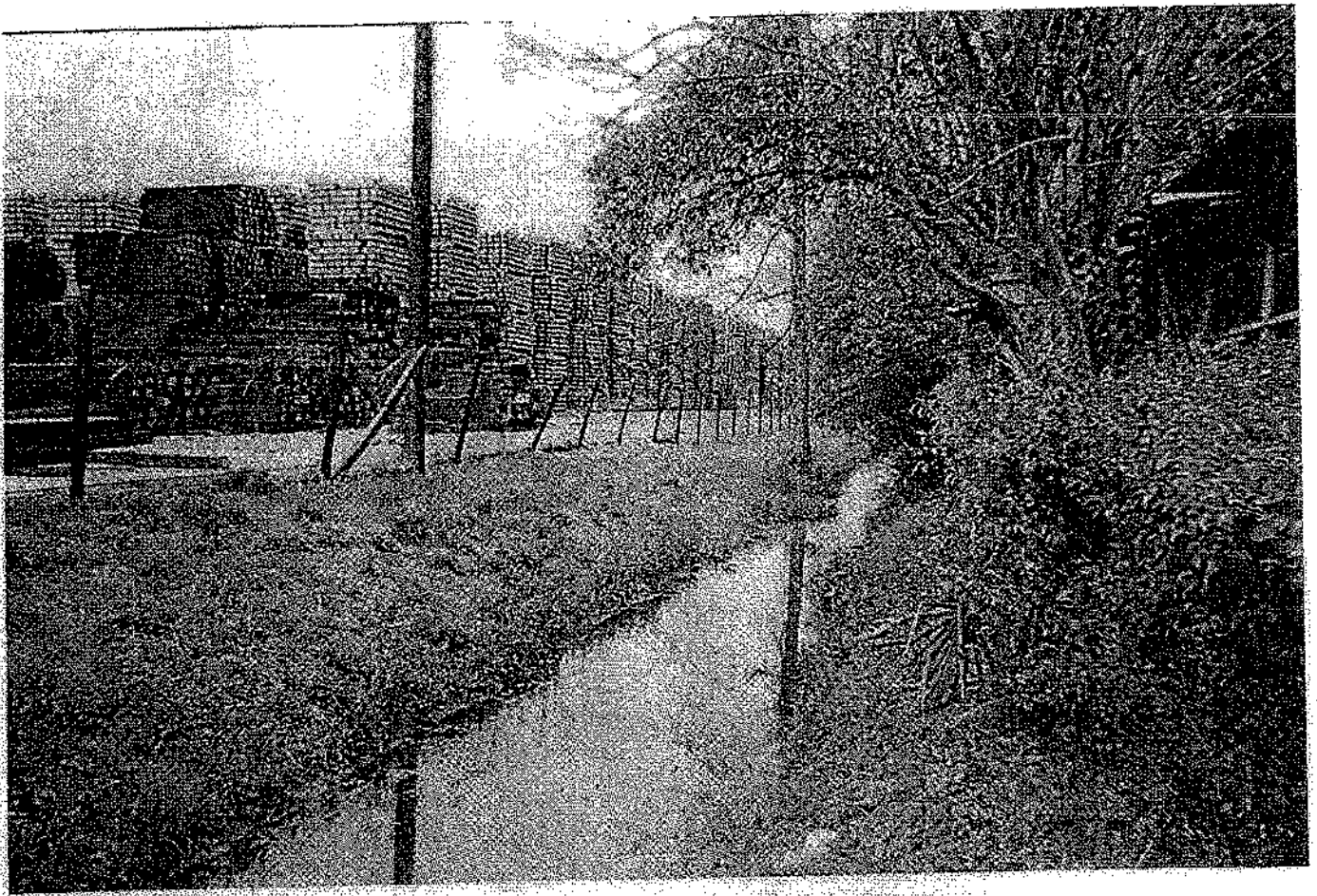


Photo 16: Close up picture of the treated timbers and the off site stream at the end of Bethel Street.



Photo 17: Offsite sampling location north of Hunter Park. This sample was collected the morning of February 27, 2012. Note tracks left from the drilling rig. Note concrete bridge in background at Willow Glen Road.

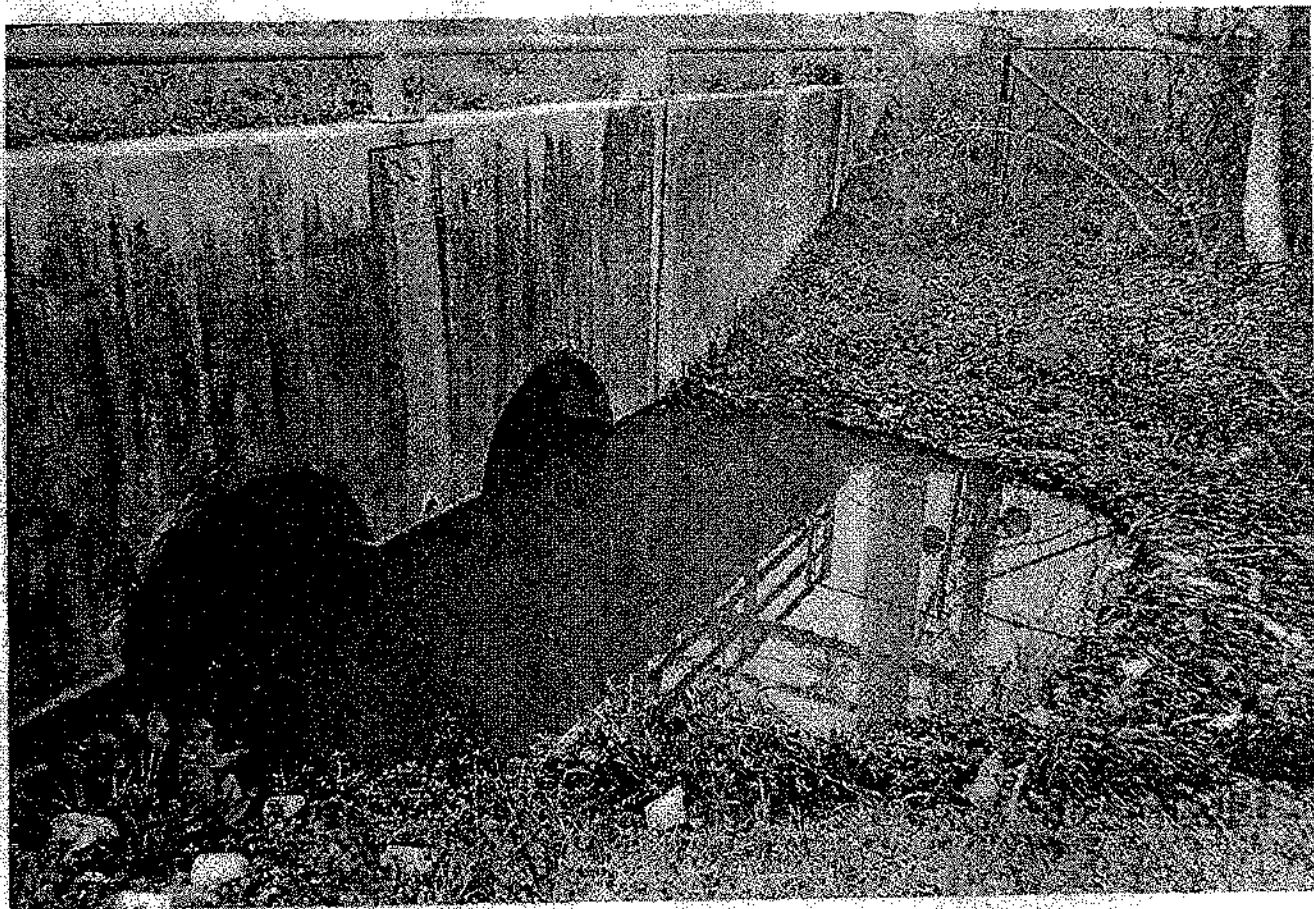


Photo 18: Bridge near sampling location at Hunter park at Willow Glen Road. (Note the date on the bridge is 1994).

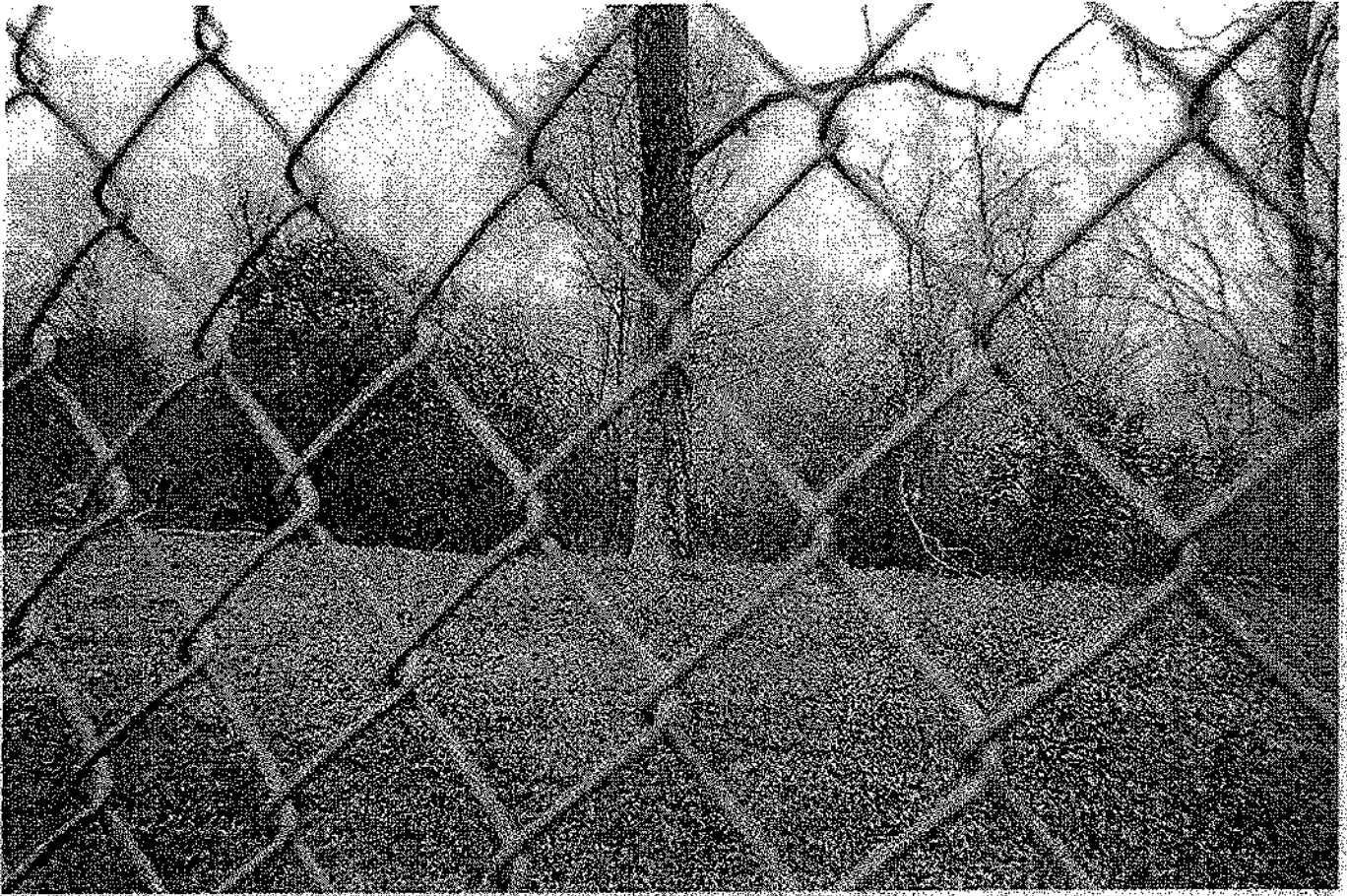


Photo 19: Photo of the property at the former neighborhood now owned by Colfax. Property is fenced and has signage to discourage trespassing.

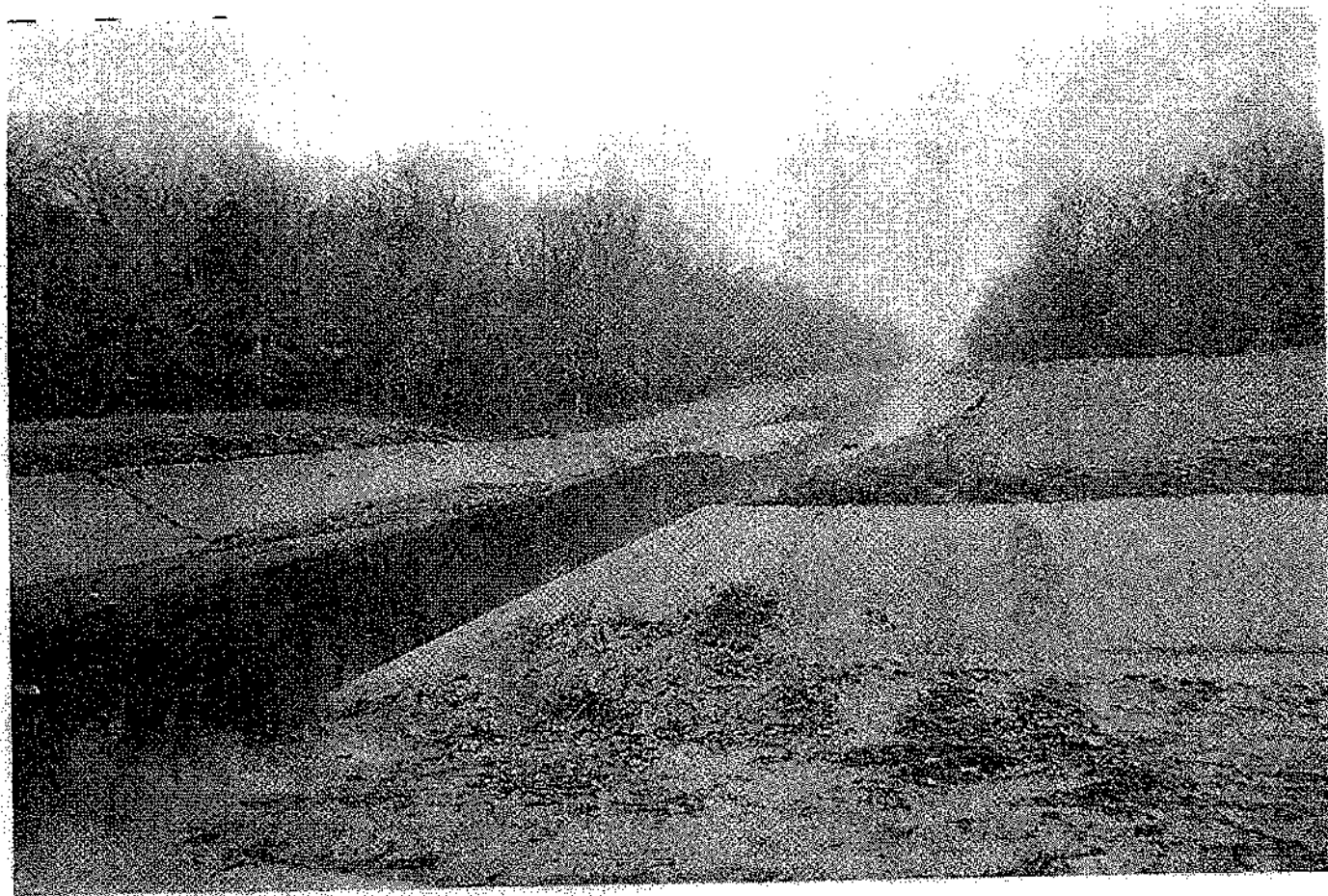


Photo 20: Hynson Bayou.



Photo 21: Hynson Bayou looking south.

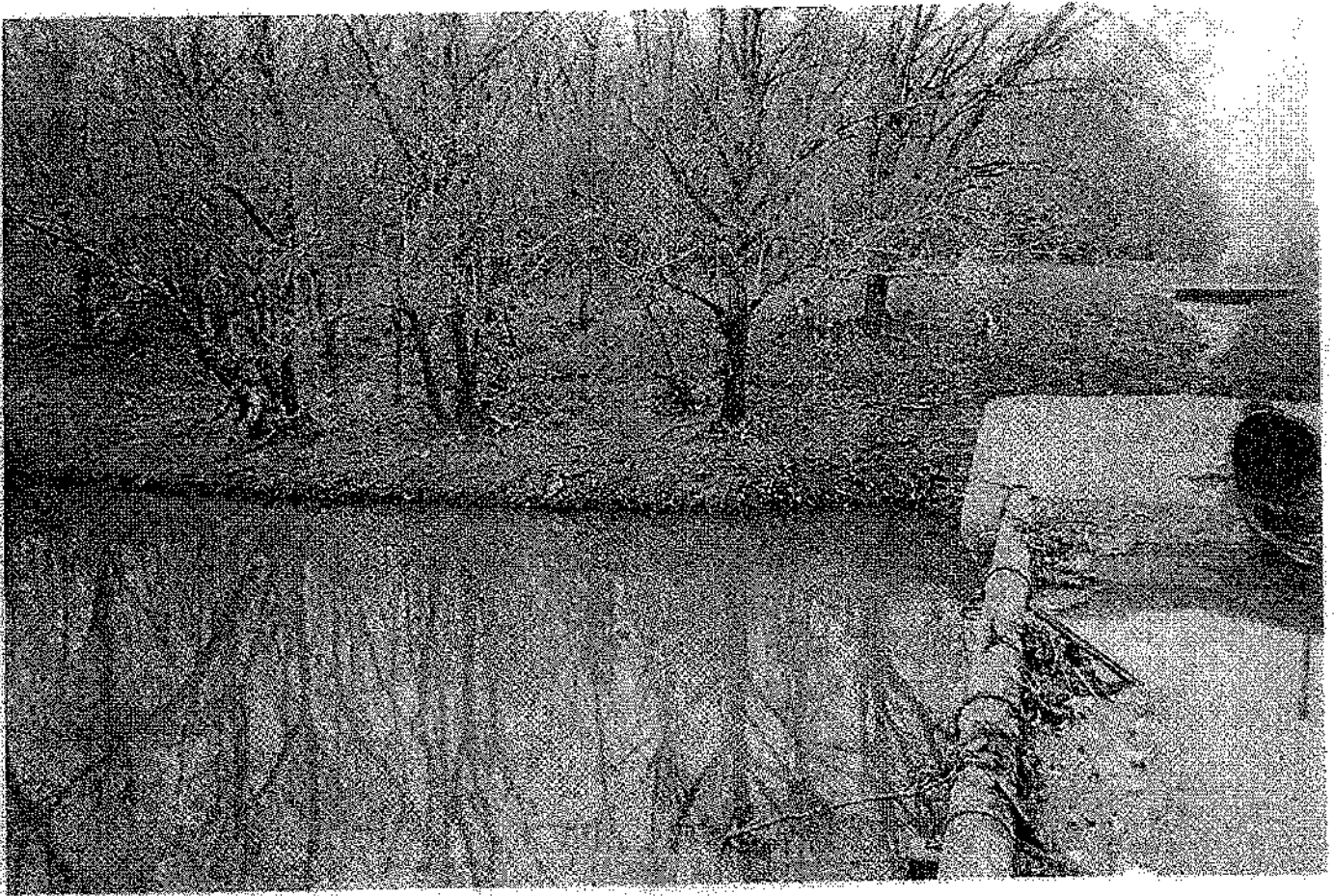


Photo 22: Hynson Bayou at the end of the concreted portion.



Photo 23: Portion of Hynson Bayou with no concrete culvert.



Photo 24: Close up picture of algal growth near Hynson Bayou.

Lyke, Jennifer

From: Verhalen, Frances
Sent: Friday, February 01, 2013 3:09 PM
To: Runnels, Charlotte
Cc: Anderson, Israel; Lyke, Jennifer; Wakeland, Morton; Fagan, Nancy; Devito, Steve
Subject: Re: Follow Up - 1/31/13 Colfax (Roy O Martin), Tangent Rail - Stella Jones Meeting

Here is the OTIS run. I am checking into the difference for the two ID numbers assigned to the same property. Also, in the LDEQ EDMS, there are two separate Agency Identifier (AI) numbers. More soon.



stella jones otis run
013113.p...

Frances Verhalen, P.E.
US EPA Region 6, MC 6EN-HC
1445 Ross Avenue, Suite 1200
Dallas, TX 75202
214-665-2172
verhalen.frances@epa.gov

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From: Charlotte Runnels/R6/USEPA/US
To: Israel Anderson/R6/USEPA/US@EPA, Steve Devito/DC/USEPA/US@EPA, Morton Wakeland/R6/USEPA/US@EPA, Frances Verhalen/R6/USEPA/US@EPA, Nancy Fagan/R6/USEPA/US@EPA, Israel Anderson/R6/USEPA/US@EPA, Jennifer Lyke/R6/USEPA/US@EPA
Date: 02/01/2013 10:03 AM
Subject: Follow Up - 1/31/13 Colfax (Roy O Martin), Tangent Rail - Stella Jones Meeting

Thanks everyone for participating in the discussion on yesterday. Hope I captured everything, if not, let me know.

Follow up items below:

EJ - POC

EJ - Contact Region 6 Air staff regarding monitoring

EJ - Contact 6EN - Air Enforcement

EJ - Contact LDEQ Chris Ratcliff - monitors & existing data

Fran - Provide ID# for Stella Jones

- Conduct a OTIS Run - Stella Jones/Roy O Martin

Nancy - Send photos to everyone

- Provide Colfax off-site RFI Data Report (after receipt)

Morton - Provide history of ownership - send to Nancy

Jennifer - Possible Health Consultation (needs past data to begin with)

Charlotte Runnels
Office of Environmental Justice and Tribal Affairs
Environmental Justice Liaison - Louisiana
Environmental Protection Agency
1445 Ross Avenue
Dallas, Texas 75202-2733
(214) 665-6442 (voice)
(214) 665-2124 (fax)



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EPA is now working to fix data issues with CWA noncompliance status in some states. [Read More!](#)

Detailed Facility Report



For Public Release - Unrestricted Dissemination Report Generated on 01/31/2013
US Environmental Protection Agency - Office of Enforcement and Compliance Assurance

Gray text in this report indicates information that is not required to be reported to EPA. These data, typically regarding non-major or smaller facilities, are often incomplete.

Facility Permits and Identifiers

[Data Dictionary](#)

Statute	System	Source ID	Facility Name	Street Address	City	State	Zip
CAA	FRS	110000450510	STELLA-JONES CORP	3600 KOPPER'S STREET	ALEXANDRIA	LA	71302
CAA	AFS	2207900032	STELLA-JONES CORP	3600 KOPPER'S RD	ALEXANDRIA	LA	71302
CWA	ICP	LAR05N013	DURA-WOOD LLC	3600 KOPPER'S ST	ALEXANDRIA	LA	71302
RCRA	RCR	LAD069524981	COLFAX TREATING CO LLC, ALEXANDRIA	3600 KOPPER'S ST	ALEXANDRIA	LA	71302
RCRA	RCR	LAR000038001	STELLA JONES CORP	3600 KOPPER'S STREET	ALEXANDRIA	LA	71302
EP313	TRI	71301DRWGT1KOPP	STELLA-JONES CORP	3600 KOPPER'S ST	ALEXANDRIA	LA	71302

Facility Characteristics

[Data Dictionary](#)

Statute	Source ID	Universe	Status	Areas	Permit Expiration Date	Latitude/ Longitude	Indian Country?	SIC Codes	NAICS Codes
	110000450510					LRT 31.284526, -92.432333	No		
CAA	2207900032	Minor (Not Fed Rep.)	Operating	MACT (SECTION 63 NESHAPS), SIP			NA	2491	321114
CWA	LAR05N013	Minor; General Permit Covered Facility	Terminated; Compliance Tracking Off		04/30/2011	31.284526, -92.432333	No		
RCRA	LAD069524981	TSDP	Active (PA)			31.2828, -92.4304	No	2491	321114
RCRA	LAR000038001	LOG	Active (H)				No	2491	321114
EP313	71301DRWGT1KOPP					31.2855, -92.4333	NA	2491	321114

If the CWA permit is past its expiration date, this normally means that the permitting authority has not yet issued a new permit. In those situations, the expired permit is normally administratively extended and kept in effect until the new permit is issued.

For the RCRA program, activities that contribute to an overall facility status of Active are displayed in parentheses using the acronym HPACS, where H indicates hazardous activities, P - permitting, A - corrective action, C - converter, and S - state specific. More information is available in the Data Dictionary.

Inspection and Enforcement Summary Data

[Data Dictionary](#)

Statute	Source ID	Insp. Last 05 Yrs	Date of Last Inspection	Formal Enf Act Last 05 Yrs	Penalties Last 05 Yrs
CAA	2207900032	0	08/11/2004	0	\$00
CWA	LAR05N013	0	08/05/2003	0	\$00
RCRA	LAD069524981	2	08/06/2009	0	\$00
RCRA	LAR000038001	7	02/22/2012	0	\$00

Compliance Monitoring History (05 years)

[Data Dictionary](#)

Statute	Source ID	System	Inspection Type	Lead Agency	Date	Finding
RCRA	LAD069524981	RCR	COMPLIANCE EVALUATION INSPECTION ON-SITE	State	08/05/2009	No Violations Or Compliance Issues Were Found
RCRA	LAD069524981	RCR	CORRECTIVE ACTION COMPLIANCE EVALUATION	EPA	03/01/2010	No Violations Or Compliance Issues Were Found
RCRA	LAR000038001	RCR	COMPLIANCE EVALUATION INSPECTION ON-SITE	State	03/10/2008	No Violations Or Compliance Issues Were Found
RCRA	LAR000038001	RCR	COMPLIANCE EVALUATION INSPECTION ON-SITE	State	11/12/2008	No Violations Or Compliance Issues Were Found
RCRA	LAR000038001	RCR	CORRECTIVE ACTION COMPLIANCE EVALUATION	EPA	04/27/2009	Undetermined, Agency May Still be Determining
RCRA	LAR000038001	RCR	COMPLIANCE EVALUATION INSPECTION ON-SITE	State	10/13/2009	No Violations Or Compliance Issues Were Found
RCRA	LAR000038001	RCR	FOCUSSED COMPLIANCE INSPECTION	EPA	03/01/2010	Undetermined, Agency May Still be Determining
RCRA	LAR000038001	RCR	FOCUSSED COMPLIANCE INSPECTION	State	09/29/2011	No Violations Or Compliance Issues Were Found
RCRA	LAR000038001	RCR	COMPLIANCE EVALUATION INSPECTION ON-SITE	State	02/22/2012	No Violations Or Compliance Issues Were Found

Entries in *italics* are not considered inspections in official counts.

Compliance Summary Data

[Data Dictionary](#)

Information on the nature of alleged violations is available on the FAQ page.

Statute	Source ID	Current SNCHPV?	Description	Current As Of	Ctrs in NC (of 12)
CAA	2207900032	N/A		12/08/2012	
CWA	LAR05N013	N/A		Apr-Jun12	
RCRA	LAD069524981	No		12/09/2012	0
RCRA	LAR000038001	No		12/09/2012	0

Three Year Compliance Status by Quarter

[Data Dictionary](#)

Violations shown in a given quarter do not necessarily span the entire 3 months. Information on the nature of alleged violations is available on the FAQ page, and information on the duration of non-compliance is available at the end of this report.

AIR Compliance Status												
Statute/Source ID CAA: 2207900032	QTR1 Jan-Mar10	QTR2 Apr-Jun10	QTR3 Jul-Sep10	QTR4 Oct-Dec10	QTR5 Jan-Mar11	QTR6 Apr-Jun11	QTR7 Jul-Sep11	QTR8 Oct-Dec11	QTR9 Jan-Mar12	QTR10 Apr-Jun12	QTR11 Jul-Sep12	QTR12 Oct-Dec12
HPV History												
Program/Requirement in Current Violation												
MACT (SECTION 63 RESHAPS)												
SIP												

High Priority Violator (HPV) History section: "Unaddr" means the facility has not yet been addressed with a formal enforcement action. "Addr" means the facility has been addressed with a formal enforcement action, but its violations have not been resolved. Lead Agency designated can be US EPA, State, Both, or No Lead Determined. If HPV History is blank, then the facility was not a High Priority Violator. V=Violation, S=Compliance Schedule.

RCRA Compliance Status												
Statute/Source ID RCRA: LAR000038001	QTR1 Jan-Mar10	QTR2 Apr-Jun10	QTR3 Jul-Sep10	QTR4 Oct-Dec10	QTR5 Jan-Mar11	QTR6 Apr-Jun11	QTR7 Jul-Sep11	QTR8 Oct-Dec11	QTR9 Jan-Mar12	QTR10 Apr-Jun12	QTR11 Jul-Sep12	QTR12 Oct-Dec12
Facility Level Status												
Type of Violation	Agency											

RCRA Compliance Status												
Statute/Source ID RCRA: LAR000038001	QTR1 Jan-Mar10	QTR2 Apr-Jun10	QTR3 Jul-Sep10	QTR4 Oct-Dec10	QTR5 Jan-Mar11	QTR6 Apr-Jun11	QTR7 Jul-Sep11	QTR8 Oct-Dec11	QTR9 Jan-Mar12	QTR10 Apr-Jun12	QTR11 Jul-Sep12	QTR12 Oct-Dec12
Facility Level Status												
Type of Violation	Agency											

The first date displayed for a RCRA Violation corresponds to the violation determination date, and the next to the resolution date (if the violation has been resolved).

Notices of Violation or Informal Enforcement - AFS, PCS, ICIS-NPDES, RCRAinfo (05 year history)

[Data Dictionary](#)

Statute	Source ID	Type of Action	Lead Agency	Date
- No data records returned.				

Formal Enforcement Actions - (05 year history)

AFS, PCS, RCRAinfo, NCDB

[Data Dictionary](#)

Statute	Source ID	Type of Action	Lead Agency	Date	Penalty	Penalty Description
- No data records returned.						

In some cases, formal enforcement actions may be entered both at the initiation and final stages of the action. These may appear more than once above. Entries in *italics* are not "formal" actions under the PCS definitions but are either the initiation of an action or penalties assessed as a result of a previous action. This section includes US EPA and State formal enforcement actions under CAA, CWA and RCRA.

ICIS

[Data Dictionary](#)

Primary Law/Section	Case Number	Case Type	Lead Agency	Case Name	Issued/Filed Date	Settlement Date	Federal Penalty	State/Local Penalty	SEP Cost	Comp Action Cost
- No data records returned.										

Federal enforcement actions and penalties shown in this section are from the Integrated Compliance Information System (ICIS-FE&C). These actions may duplicate records in the Formal Enforcement Actions section.

Environmental Conditions

[Data Dictionary](#)

Permit ID	Watershed	Watershed Name	Receiving Waters	Impaired Waters?	Combined Sewer System?
LAR05N013	08080102	Bayou Teche, La.		NO	No

TRI History of Reported Chemicals Released in Pounds per Year at Site:71301DRWDT1KOPP

[Data Dictionary](#)

Chemical releases reported to TRI are provided for context and are not associated with non-compliance for that facility.

Year	Total Air Emissions	Surface Water Discharges	Underground Injections	Releases to Land	Total On-site Releases	Total Off-site Transfers	Total Releases and Transfers
2002	5,509	53			5,562	593	6,155
2003	5,192	38			5,140	1,722	7,862
2004	8,864	45			8,909	1,066	9,995
2005	15,763	37			15,800	1,626	17,426
2006	5,671	33			5,794	16,365	16,089
2007	13,953	34			13,967	8,713	22,700
2008	13,639	56			13,695	14,773	28,468
2009	14,324				14,324	13,334	27,658
2010	12,748	121			12,869	556	13,423

TRI Total Releases and Transfers by Chemical and Year

Chemical releases and transfers are in pounds except where otherwise noted.

Chemical Name	2002	2003	2004	2005	2006	2007	2008	2009	2010
POLYCYCLIC AROMATIC COMPOUNDS	1	1	2	3	900	639	1,415	1,277	68
CRESOTE	6,154	7,601	9,093	17,423	15,064	21,649	27,930	28,350	13,357
BENZOCYCLOHEPTYLENE					15	12	23	22	

Demographic Profile of Surrounding Area (3 Miles)

[Data Dictionary](#)

Open more detailed information in a new window (links leave OTIS) 1 MI 3 MI or 5 MI

This section provides demographic information regarding the community surrounding the facility. OTIS compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2000 US Census data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA Location Reference Table (LRT) when available.

Radius of Area:	3 Miles	Land Area:	98.61%	Households in area:	14,870
Center Latitude:	31.282800	Water Area:	3.38%	Housing units in area:	16,660
Center Longitude:	-92.436400	Population Density:	1409.66/sq. mi.	Households On Public Assistance:	778
Total Persons:	36,512	Percent Minority:	60.97%	Persons Below Poverty Level:	10,598

Race Breakdown	Persons (%)	Age Breakdown:	Persons (%)
White:	15,130 (39.20%)	Child 5 years and less:	3,301 (6.37%)
African-american:	22,173 (57.67%)	Minors 17 years and younger:	10,568 (27.41%)
Hispanic-Origin:	258 (0.67%)	Adults 18 years and older:	27,954 (72.59%)
Asian/Pacific Islander:	451 (1.17%)	Seniors 65 years and older:	5,025 (15.38%)
American Indian:	120 (0.31%)		
Other/Multiracial:	161 (0.30%)		

Education Level (Persons 25 & older)	Persons (%)	Income Breakdown:	Households (%)
Less than 9th grade:	2,427 (10.53%)	Less than \$15,000:	5,094 (34.26%)
9th-12th grades:	4,837 (20.89%)	\$15,000-\$25,000:	2,776 (18.87%)
High School Diploma:	7,468 (32.41%)	\$25,000-\$50,000:	4,126 (27.76%)
Some College/2-yr:	4,662 (19.75%)	\$50,000-\$75,000:	1,539 (10.35%)
B.S./B.A. or more:	3,761 (16.32%)	Greater than \$75,000:	1,345 (9.05%)

Notice About Duration of Violations -- The duration of violations shown on this report is an estimate of the actual duration of the violations that might be alleged or later determined in a legal proceeding. For example, the start date of the violation as shown in the ECHO database is normally when the government first became aware of the violation, not the first date that the violation occurred, and the facility may have corrected the violation before the end date shown. In some situations, violations may have been corrected by the facility, but EPA or the State has not verified the correction of those violations. In other situations, EPA does not remove the violation flag until an enforcement action has been resolved.



This report was generated by the Integrated Data for Enforcement Analysis (IDEA) system, which updates its information from program databases monthly. The data were last updated: AFS: 12/08/2012, RCRAInfo: 12/09/2012, FRS: 12/06/2012, TRI: 02/07/2012, ICIS: 12/10/2012.

Some regulated facilities have expressed an interest in explaining data shown in the Detailed Facility Reports in ECHO. Please check company web sites for such explanations:



[Data Quality Information](#) | [Contact Us](#) | [Privacy & Security Notice](#) | [Home](#)

Last updated on January 31st, 2013

Lyke, Jennifer

From: Runnels, Charlotte
Sent: Monday, March 18, 2013 4:57 PM
To: Fagan, Nancy; Anderson, Israel
Cc: Lyke, Jennifer
Subject: RE: Air issues at the Colfax site in Alexandria

Thanks, I've spoken to Ms. Agnes regarding this matter as well.

From: Fagan, Nancy
Sent: Monday, March 18, 2013 2:15 PM
To: Runnels, Charlotte
Cc: Lyke, Jennifer
Subject: FW: Air issues at the Colfax site in Alexandria

Charlotte,

I wanted to forward you this email I sent to an air person at the LDEQ field office. This should be the person who has conducted any air inspections at the site. I will ask about inspections when I get his reply! We have tentatively planned our offsite soil sampling for the week of April 1.

From: Fagan, Nancy
Sent: Monday, March 18, 2013 2:06 PM
To: 'tommy.perryman@la.gov'
Cc: 'Steven Archibald'
Subject: Air issues at the Colfax site in Alexandria

Tommy,

Steve A. sent me your contact information. As you may know, the EPA Region 6 Multimedia Planning and Permitting Division is involved in answering some questions sent to us by citizens concerning this site. We are addressing some issues by assisting Steve with offsite soil sampling to be analyzed by our EPA lab in Houston. However, most major concerns seem to be with the air issues from the creosote treating process conducted by the current operator at the site. We have also received information that it seems that creosoting operations have increased recently, making the odor issues even more prevalent. Here is a picture sent by a nearby resident which shows recently treated timbers being stored in an area adjacent to the resident properties (note Hwy 49 to the left). I am concerned about two major sources, off-gassing of the timbers, and the heat-treatment process itself. Can you send me any information you may have on the air issues associated with these sources, and please let me know if there are any options for setting up air monitors in the area to monitor for VOCs.

Thanks for your time and attention to this!

Nancy Fagan
Multimedia Planning and Permitting Division
6PD-O
214.665.8385

Lyke, Jennifer

From: Fagan, Nancy
Sent: Monday, March 18, 2013 2:15 PM
To: Runnels, Charlotte
Cc: Lyke, Jennifer
Subject: FW: Air issues at the Colfax site in Alexandria
Attachments: 130223_0002.jpg

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Cc: 'Steven Archibald'
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Tommy,

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Thanks for your time and attention to this!

Nancy Fagan
Multimedia Planning and Permitting Division
6PD-O
214.665.8385

Lyke, Jennifer

From: Fagan, Nancy
Sent: Tuesday, March 26, 2013 2:24 PM
To: Lyke, Jennifer
Subject: FW: Colfax

Jennifer,

I wanted to send this to you, in case George was out of town. We may try to participate via conference call at her church, if Charlotte can arrange it.

Nancy

From: Dianne Dugas [mailto:Dianne.Dugas@LA.GOV]
Sent: Tuesday, March 26, 2013 1:46 PM
To: Steven Archibald
Cc: tom.harris@la.gov; carey.dicharry@la.gov; Rosalind Green (DHH-OPH); Eman Williams; Fagan, Nancy; Chris Ratcliff; Raoult Ratard; Shannon Soileau; Pettigrew, George; Kathleen Aubin
Subject: RE: Colfax

Expanded state agency meeting with Ms. Francisco and conducting site observations from a vehicle sound good, we checked with Ms. Francisco to see if this is ok with her and she is agreeable and trying to move the meeting to a local church so she can invite other community members. Thanks.

From: Steven Archibald [mailto:Steven.Archibald@LA.GOV]
Sent: Tuesday, March 26, 2013 1:15 PM
To: Dianne Dugas; Kathleen Aubin
Cc: Tom Harris; Carey Dicharry; Rosalind Green (DHH-OPH); Eman Williams; Fagan, Nancy (Fagan.Nancy@epa.gov); Chris Ratcliff
Subject: RE: Colfax

Kathleen / Dianne,

I could arrange a site visit to observe the operations at the Alexandria facilities on 4/16/2013. In order to enter the actual facility, everyone would need to have their 40-hour HAZWOPER certification, up-to-date with the annual refresher, and we would have to clear it with the Stella-Jones facility staff. However, even if everyone does not have their current HAZWOPER certification, we could view most of the operations and the areas of concern from the periphery of the facility.

I would also like to take you up on your offer to meet with Ms. Francisco; this would give me an opportunity to provide an updated status of the RCRA Corrective Action program, the groundwater monitoring/corrective action program, and EPA's/DEQ's anticipated path-forward in regard to ongoing investigation and remediation of impacted soils, sediments, and groundwater. I would also ask if we could invite Nancy Fagan, my counterpart with EPA-Region 6, who has been working closely with me on these issues.

Also, please keep in mind that the active portion of the site is now owned and operated by Stella-Jones, while the closed portion of the site (the former Durawood facility), which includes the closed hazardous waste unit, the groundwater monitoring/corrective action system, and the areas of concern, is owned and maintained by Roy O. Martin Co. d/b/a Colfax Treating Co. The active portion of the Stella-Jones facility, which would be the likely source of any ongoing air emissions, is outside the scope and authority of DEQ's RCRA Corrective Action program (for which I am the DEQ contact). Oversight of the active Stella-Jones facility is conducted by DEQ's permitting and inspections programs, which are headed up by other staff members within DEQ. The RCRA Corrective Action program is tasked with investigation and remediation of historical releases to soils, sediments, and/or groundwater from the former Durawood facility. So, while

I can provide some meaningful insight on the RCRA Corrective Action program at the closed Durawood facility in relation to impacted soils, sediments, and groundwater, I am only able to provide limited information regarding potential air emissions from the active Stella-Jones facility.

Please let me know if you would like me to coordinate a site visit to the closed Durawood facility and the active Stella-Jones facility and also whether or not you all would anticipate actually going onto the facilities' property, keeping in mind the need for HAZWOPER certification, or if you would want to limit our visit to the periphery of the facilities. Thank you.

Steve



Steve Archibald, Geologist
UST & Remediation Division
LDEQ-NERO
1823 Highway 546
West Monroe, Louisiana 71292
phone: (318) 362-3048
fax: (318) 362-5448
e-mail: Steven.Archibald@LA.gov

From: Dianne Dugas [<mailto:Dianne.Dugas@LA.GOV>]
Sent: Tuesday, March 26, 2013 10:56 AM
To: Kathleen Aubin; Steven Archibald
Cc: Tom Harris; Rosalind Green (DHH-OPH); Eman Williams
Subject: RE: Colfax

You are also welcome to attend the meeting with Ms. Francisco and us if you wish, thanks.

From: Kathleen Aubin
Sent: Tuesday, March 26, 2013 10:32 AM
To: Steven Archibald
Cc: Tom Harris; Dianne Dugas; Rosalind Green (DHH-OPH); Eman Williams
Subject: Colfax

Good Morning Steven,

We will be meeting with Ms. Francisco on Tuesday, April 16 at 11:00 am to discuss her environmental health concerns in relation to the Colfax facility. Would it be possible for you to take us on a site visit on that day?

Thanks,

Kathleen Aubin
Environmental Health Scientist Supervisor
Louisiana Department of Health and Hospitals
Section of Environmental Epidemiology and Toxicology
1450 Poydras St., Suite 1640
New Orleans, La. 70112
Phone # 504-568-8144
Fax #: 504-568-8149
Email: kathleen.aubin@la.gov

Lyke, Jennifer

From: Runnels, Charlotte
Sent: Tuesday, April 02, 2013 4:09 PM
To: Jean Francisco; Fagan, Nancy; Lyke, Jennifer; eman.williams@la.gov; Kathleen.Aubin@la.gov; Devito, Steve
Cc: Kendrick, Bret; Cook, Brenda; Verhalen, Frances; Wakeland, Morton; Steven.Archibald@LA.GOV; Chris Ratcliff; Devito, Steve
Subject: LDHH meeting w/Agnes Francisco @ New Scott Baptist Church

Ms. Francisco,

EPA will open up a conference line for the meeting with LDHH and others on April 16 @ 11:00 at the church.

The conference call information is as follows:

Call in number: [FOIA Exemption 6-Personal Privacy]
Conference Code: [FOIA Exemption 6-Personal Privacy]

From: Jean Francisco [<mailto:ajwfran@yahoo.com>]
Sent: Wednesday, March 27, 2013 2:23 PM
To: Fagan, Nancy; Runnels, Charlotte; Lyke, Jennifer; eman.williams@la.gov
Subject: conference #

The phone number for the conference is [FOIA Exemption 6-Personal Privacy] It has been approved by New Scott Baptist Church. Thanks again.

Agnes W. Francisco



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
MULTIMEDIA PLANNING AND PERMITTING DIVISION
1445 Ross Avenue
Dallas, Texas 75202

September 12, 2011

Ms. Agnes W. Francisco
520 Willow Glenn River Road
Alexandria, LA 71302

Dear Ms. Francisco,

This letter provides you with an update on activities with the Colfax Treating Company, LLC (formerly Durawood) facility, LDEQ Agency Interest (AI) Number 97707. As we noted in previous letters, LDEQ approved the Colfax Treating Company workplan to conduct additional sampling in a letter dated May 16, 2011 with indications that soil sampling was to occur during the summer months.

Since that time, LDEQ received a letter from the Colfax representatives asking for an extension for the work to be performed due to issues that needed to be resolved with adjacent landowners to gain access, and some construction delays. LDEQ granted a 90-day extension to this request.

We are looking into travel funds to see if I can attend the sampling event to perform oversight and to meet with you to discuss your concerns. Steven Archibald has been notified to keep me informed of the dates, so I can work out travel arrangements, if approved.

With warm regards,

A handwritten signature in cursive script, reading "Nancy L. Fagan", is positioned above the typed name.

Nancy L. Fagan
State and Tribal Oversight Section, 6PD-O
EPA Region 6

cc: Steven Archibald, LDEQ



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
MULTIMEDIA PLANNING AND PERMITTING DIVISION
1445 Ross Avenue
Dallas, Texas 75202

June 17, 2011

Ms. Agnes W. Francisco
520 Willow Glenn River Road
Alexandria, LA 71302

Reference No. AX-11-000-8887

Dear Ms. Francisco,

This letter is in response to your second letter to Lisa Jackson dated May 28, 2011, which we have numbered AX-11-000-8887.

First, we would like to apologize for your misinterpretation of our letter dated May 4, 2011 in which we stated the results of our research on the Boards and Commissions membership for Roy O. Martin III. We did not mean to insult your integrity or intelligence.

In reference to the corrective measures for the Colfax site, we would like to further explain that in the RCRA corrective action program the administrative authority can require specific corrective measures for the facility to take in order to achieve our expectations to complete the cleanup of hazardous constituents to health-based levels. Since the Colfax site is in Louisiana, the facility will use the health-based cleanup criteria specified in the Risk Evaluation Corrective Action Program, known as RECAP. Shortly after sampling activities this summer, the Colfax site will be mandated to submit their Corrective Measures Study (CMS), which will describe the final site-wide remedy. This remedy proposal document will be at the local library for public review and comment.

Ms. Francisco, you can be assured that the Divisions within Region 6 are committed to taking actions within our authority to remediate any existing contamination and to require the mitigation of further offsite releases. I noted that you are in receipt of the May 16, 2011 Letter Health Consultation that completed by the Louisiana Department of Health and Hospitals at your request. This is a comprehensive report that addressed current conditions of groundwater and surface soils. We are reviewing the sampling results recorded in Table B-5 from Technical Unit 6 and are in the process of convening discussions with the Louisiana Department of Environmental Quality (LDEQ). We will keep you apprised of future actions by the EPA and the LDEQ with regard to this matter.

Page 2

Thanks again for your continuing concern about the environmental issues with the Colfax site in Alexandria. If you feel there are issues we have not addressed, please feel free to contact me at Fagan.nancy@epa.gov, or call me at (214) 665-8385.

With warm regards,

Nancy L. Fagan
State and Tribal Oversight Section, 6PD-O
EPA Region 6

cc: Steven Archibald, LDEQ
Tom Harris, LDEQ

Page 2

Thanks again for your continuing concern about the environmental issues with the Colfax site in Alexandria. If you feel there are issues we have not addressed, please feel free to contact me at Fagan.nancy@epa.gov, or call me at (214) 665-8385.

With warm regards,

Nancy L. Fagan
State and Tribal Oversight Section, 6PD-O
EPA Region 6

cc: Steven Archibald, LDEQ
Tom Harris, LDEQ



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
MULTIMEDIA PLANNING AND PERMITTING DIVISION
1445 Ross Avenue
Dallas, Texas 75202

May 20, 2011

Ms. Agnes W. Francisco
520 Willow Glenn River Road
Alexandria, LA 71302

Reference No. AX-11-000-5434

Dear Ms. Francisco,

This letter is a follow-up response to your letter to Lisa Jackson, dated April 2, 2011 which we have numbered AX-11-000-5434. Your letter to Administrator Jackson was sent to Region 6 for us to reply in her behalf.

The July 14, 2010 letter addressed to you from the Louisiana Department of Environmental Quality (LDEQ), page 3, describes a formal referral from LDEQ to the Louisiana Department of Health and Hospitals (DHH) - Office of Public Health (OPH). The LDEQ and EPA Region 6 are in receipt of the report generated by DHH-OPH dated March 16, 2011. Our understanding is that this report is being mailed to you this month and contains specific information on the health assessment of current conditions at the site.

Mr. Steven Archibald, LDEQ project manager also reports that the inactive Colfax Treating Company, LLC (formerly Durawood) facility, LDEQ Agency Interest (AI) Number 97707, is subject to all conditions of the Resource Conservation and Recovery Act (RCRA) *Final Hazardous Waste Post-Closure Permit Renewal - Post-Closure Permit (LAD008-184-616-PC-RN-1)*, effective October 22, 2007, issued by the LDEQ. The post-closure care requirements include periodic inspection and maintenance of the final cover area, operation and maintenance of the groundwater monitoring and corrective action system, property access restrictions, and institutional controls. Additionally, the Hazardous and Solid Waste Amendments (HSWA) portion of the post-closure permit requires investigation and corrective action of all contaminated media, both on-site and off-site, for all Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs), as identified in the post-closure permit; this process is referred to as the RCRA Facility Investigation (RFI). Currently, Colfax Treating Company has completed investigations of all such units, with the exception of delineating the horizontal extent of contamination in soils at the eastern continuance of the former Chatlin Lake Canal and the possibility of additional sampling adjacent to Hynson Bayou, pending LDEQ receipt of records documenting removal

actions taken by the City of Alexandria along Hynson Bayou. LDEQ has issued a letter, dated May 16, 2011, approving Colfax Treating Company's workplan to conduct additional sampling activities; sampling activities should be conducted within the next several weeks.

Following completion of the RFI process, Colfax Treating Company will be required to conduct a Corrective Measures Study (CMS) in order to evaluate the most effective means of remediation and/or control of all hazardous constituents originating from the facility. After LDEQ approval of the CMS, a proposed Final Remedy will be selected and the public participation process will be initiated, including public notice and solicitation of, and agency response to, any public comments received. Subsequent to Final Remedy Selection and response to public comments the Final Remedy will be implemented; this final step in the Corrective Action process is known as the Corrective Measures Implementation (CMI).

If you would like to review information on the Colfax site, LDEQ Public Records may be obtained by calling (225) 219-3168 or by emailing publicrecords@la.gov or you may visit the Electronic Data Management System (EDMS) on the internet at www.deq.louisiana.gov/portal/tabid/2604/Default.aspx or you may want to submit a request for information by using our Freedom of Information Act (FOIA) request procedure through our EPA Region 6 Dallas office. To make a FOIA request of EPA, please visit the following web site and fill out the FOIA form. <http://www.epa.gov/earth1r6/6md/foia/foiaform>. If you have any questions regarding a FOIA request, please contact Ms. Leticia Lane, Regional FOIA Officer, at lane.leticia@epa.gov or call her at (214) 665-7202.

If you feel there are issues or concerns that we have not addressed, please feel free to contact me at Fagan.nancy@epa.gov, or call me at (214) 665-8385.

With warm regards,

Nancy L. Fagan
State and Tribal Oversight Section, 6PD-O
EPA Region 6

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If you feel there are issues or concerns that we have not addressed, please feel free to contact me at Fagan.nancy@epa.gov, or call me at (214) 665-8385.

With warm regards,

Nancy L. Fagan
State and Tribal Oversight Section, 6PD-O
EPA Region 6



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

May 4, 2011

Ms. Agnes W. Francisco
520 Willow Glenn River Road
Alexandria, LA 71302

Reference No. AX-11-000-5434

Dear Ms. Francisco,

Thank you for your letter to U.S. Environmental Protection Agency (EPA) Administrator, Lisa Jackson, dated April 2, 2011 which we have numbered AX-11-000-5434. We have been asked to respond to your letter as Louisiana is in Region 6.

Ms. Nancy Fagan is one of the technical assistance coordinators for the hazardous waste program under the Resource Conservation Recovery Act (RCRA), and a representative of the Multimedia Planning and Permitting Division. She has kept in contact with EPA's state counterpart and contact person, Mr. Steven Archibald at the Louisiana Department of Environmental Quality (LDEQ), whom you refer to in your letter with regard to the post closure cleanup activities at the Colfax facility (LAD 069 524 981-PCRN-1). Ms. Fagan was also involved in the response you received from Senator Landrieu's office regarding your concerns. She is very familiar with the issues.

We also noted that you stated in your letter that Mr. Roy O. Martin is "a current board member of the Louisiana Environmental Quality". In our research, we have found that Mr. Roy O. Martin III is a member of the Louisiana Recovery Authority (dealing with the aftermath of hurricanes and other natural or man-made disasters) and the Louisiana Commission on Streamlining Government, but not a member of the LDEQ board. This information can be found at www.legis.state.la.us by entering Mr. Martin's name in the Member Search field under the "Boards and Commissions" icon.

At this time, we are looking into the information you presented in your letter and will pursue the compilation of information and give some clarity to your issues. You should be hearing from us within the next three weeks. If you have additional information, or need to speak with someone prior to that time, please call Ms. Nancy Fagan, Environmental Engineer @ (214) 665-8385 or email her at Fagan.Nancy@epa.gov.

Sincerely yours,

A handwritten signature in cursive script that reads "Lela Margaret Oldham".

Lela Margaret Oldham
Administrative Specialist
Multimedia Planning and
Permitting Division

Lyke, Jennifer

From: Fagan, Nancy
Sent: Thursday, February 21, 2013 9:59 AM
To: Lyke, Jennifer
Cc: Runnels, Charlotte
Subject: Colfax Alexandria data from 2004
Attachments: Durawood Results Summary.pdf

Jennifer,

I did not remember if I had sent this to you. The data close to the end of this set is pah's , dioxin and furans from attic dust in the neighborhood. The LDHH should have this already, but I'm not sure. Roy O. Martin purchased the one street to the north after these sample results were reported. (Isiah Orange property)

Nancy Fagan
Multimedia Planning and Permitting Division
6PD-O
214.665.8385

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3730-01 (0-6')	DC-SS-3730-02 (0-6')	DC-SS-3708-03 (0-6')
Date Sampled:	N/A	6/7/04	6/7/04	6/7/04
Resident Name:	N/A	Mary Guillot	Mary Guillot	Florence Holmes
Resident Address:	N/A	3730 5 th St.	3730 5 th St.	3708 Bloch St.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.540'	31°17.535'	31°16.535'
Longitude:	N/A	092°25.304'	092°25.311'	092°26.246'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3730-01 (0-6")	DC-SS-3730-02 (0-6")	DC-SS-3708-03 (0-6")
Date Sampled:	N/A	6/7/04	6/7/04	6/7/04
Resident Name:	N/A	Mary Guillot	Mary Guillot	Florence Holmes
Resident Address:	N/A	3730 5 th St.	3730 5 th St.	3708 Bloch St.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.540'	31°17.535'	31°16.535'
Longitude:	N/A	092°25.304'	092°25.311'	092°26.248'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	BRL	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3708-04 (0-6')	DC-SS-3721-05 (0-6')	DC-SS-3721-06 (0-6')
Date Sampled:	N/A	6/7/04	6/7/04	6/7/04
Resident Name:	N/A	Florence Holmes	Lucenda Johnson	Lucenda Johnson
Resident Address:	N/A	3708 Bloch St.	3721 Church St.	3721 Church St.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.547'	31°16.506'	31°16.505'
Longitude:	N/A	092°26.238'	092°26.303'	092°26.297'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3708-04 (0-6')	DC-SS-3721-05 (0-6')	DC-SS-3721-06 (0-6')
Date Sampled:	N/A	6/7/04	6/7/04	6/7/04
Resident Name:	N/A	Florence Holmes	Lucenda Johnson	Lucenda Johnson
Resident Address:	N/A	3708 Bloch St.	3721 Church St.	3721 Church St.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.547'	31°16.506'	31°16.505'
Longitude:	N/A	092°26.238'	092°26.303'	092°26.297'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	66	BRL	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3715-07 (0-6')	DC-SS-3715-08 (0-6')	DC-SS-3622-09 (0-6')
Date Sampled:	N/A	6/8/04	6/8/04	6/8/04
Resident Name:	N/A	Janet Bruins	Janet Bruins	Janet Bruins
Resident Address:	N/A	3715 Orangefield Dr.	3715 Orangefield Dr.	3622 Orangefield Dr.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.790'	31°16.791'	31°16.816'
Longitude:	N/A	092°26.028'	092°26.031'	092°26.078'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3715-07 (0-6')	DC-SS-3715-08 (0-6')	DC-SS-3622-09 (0-6')
Date Sampled:	N/A	6/8/04	6/8/04	6/8/04
Resident Name:	N/A	Janet Bruins	Janet Bruins	Janet Bruins
Resident Address:	N/A	3715 Orangefield Dr.	3715 Orangefield Dr.	3622 Orangefield Dr.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.790'	31°16.791'	31°16.816'
Longitude:	N/A	092°26.028'	092°26.031'	092°26.078'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	BRL	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3622-10 (0-6')	DC-SS-4020-11 (0-6')	DC-SS-4020-12 (0-6')
Date Sampled:	N/A	6/8/04	6/9/04	6/9/04
Resident Name:	N/A	Janet Bruins	School	School
Resident Address:	N/A	3622 Orangefield Dr.	4020 Aaron St.	4020 Aaron St.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.825'	31°16.719'	31°16.730'
Longitude:	N/A	092°26.089'	092°25.733'	092°25.707'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3622-10 (0-6')	DC-SS-4020-11 (0-6')	DC-SS-4020-12 (0-6')
Date Sampled:	N/A	6/8/04	6/9/04	6/9/04
Resident Name:	N/A	Janet Bruins	School	School
Resident Address:	N/A	3622 Orangefield Dr.	4020 Aaron St.	4020 Aaron St.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.825'	31°16.719'	31°16.730'
Longitude:	N/A	092°26.089'	092°25.733'	092°25.707'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	BRL	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	Duplicate 1 SS-4020-12 (0-6")	DC- DC-SS-2727-13 (0-6")	DC-SS-2727-14 (0-6")
Date Sampled:	N/A	6/9/04	6/9/04	6/9/04
Resident Name:	N/A	School	School	School
Resident Address:	N/A	4020 Aaron St.	2727 Jones St.	2727 Jones St.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.730'	31°17.632'	31°17.642'
Longitude:	N/A	092°25.707'	092°26.174'	092°26.173'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	Duplicate 1 SS-4020-12 (0-6")	DC- DC-SS-2727-13 (0-6")	DC-SS-2727-14 (0-6")
Date Sampled:	N/A	6/9/04	6/9/04	6/9/04
Resident Name:	N/A	School	School	School
Resident Address:	N/A	4020 Aaron St.	2727 Jones St.	2727 Jones St.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.730'	31°17.632'	31°17.642'
Longitude:	N/A	092°25.707'	092°26.174'	092°26.173'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	66	BRL	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-2627-15 (0-6')	DC-SS-2627-16 (0-6')	DC-SS-3728-17 (0-6')
Date Sampled:	N/A	6/10/04	6/10/04	6/10/04
Resident Name:	N/A	Church	Church	Eatline Hopkins
Resident Address:	N/A	2627 Willow Glen Rd.	2627 Willow Glen Rd.	3728 Bethel St.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.874'	31°16.859'	31°16.974'
Longitude:	N/A	092°25.866'	092°25.874'	092°26.049'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-2627-15 (0-6")	DC-SS-2627-16 (0-6")	DC-SS-3728-17 (0-6")
Date Sampled:	N/A	6/10/04	6/10/04	6/10/04
Resident Name:	N/A	Church	Church	Eatline Hopkins
Resident Address:	N/A	2627 Willow Glen Rd.	2627 Willow Glen Rd.	3728 Bethel St.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.874'	31°16.859'	31°16.974'
Longitude:	N/A	092°25.866'	092°25.874'	092°26.049'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	BRL	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3728-17 (0-6') MS/MSD	DC-SS-3728-18 (0-6')	DC-SS-4034-19 (0-6')
Date Sampled:	N/A	6/10/04	6/10/04	6/11/04
Resident Name:	N/A	Eatline Hopkins	Eatline Hopkins	Phillip Sweezer
Resident Address:	N/A	3728 Bethel St.	3728 Bethel St.	4034 Clinton Dr.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.974'	31°16.974'	31°16.744'
Longitude:	N/A	092°26.049'	092°26.052'	092°25.627'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3728-17 (0-6") MS/MSD	DC-SS-3728-18 (0-6")	DC-SS-4034-19 (0-6")
Date Sampled:	N/A	6/10/04	6/10/04	6/11/04
Resident Name:	N/A	Eatline Hopkins	Eatline Hopkins	Phillip Sweezer
Resident Address:	N/A	3728 Bethel St.	3728 Bethel St.	4034 Clinton Dr.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.974'	31°16.974'	31°16.744'
Longitude:	N/A	092°26.049'	092°26.052'	092°25.627'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	BRL	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-4034-20 (0-6")	DC-SS-3716-21 (0-6")	DC-SS-3716-22 (0-6")
Date Sampled:	N/A	6/11/04	6/11/04	6/11/04
Resident Name:	N/A	Phillip Sweezer	Chad Williams	Chad Williams
Resident Address:	N/A	4034 Clinton Dr.	3716 Milton St.	3716 Milton St.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.745'	31°17.031'	31°17.028'
Longitude:	N/A	092°25.627'	092°25.811'	092°25.817'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-4034-20 (0-6")	DC-SS-3716-21 (0-6")	DC-SS-3716-22 (0-6")
Date Sampled:	N/A	6/11/04	6/11/04	6/11/04
Resident Name:	N/A	Philip Sweezer	Chad Williams	Chad Williams
Resident Address:	N/A	4034 Clinton Dr.	3716 Milton St.	3716 Milton St.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.745'	31°17.031'	31°17.028'
Longitude:	N/A	092°25.627'	092°25.811'	092°25.817'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	BRL	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	Equipment Rinsate	DC-SS-3615-23 (0-6')	DC-SS-3615-24 (0-6')
Date Sampled:	N/A	6/11/04	6/12/04	6/12/04
Resident Name:	N/A	Not Applicable	Isiah Orange	Isiah Orange
Resident Address:	N/A	Not Applicable	3615 Jones St.	3615 Jones St.
Collection Depth:	N/A	Not Applicable	(0 - 6")	(0 - 6")
Latitude:	N/A	Not Applicable	31°17.323'	31°17.314'
Longitude:	N/A	Not Applicable	092°25.694	092°25.694
Sample Matrix:	N/A	Water	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Not Applicable	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	Equipment Rinsate	DC-SS-3615-23 (0-6')	DC-SS-3615-24 (0-6')
Date Sampled:	N/A	6/11/04	6/12/04	6/12/04
Resident Name:	N/A	Not Applicable	Isiah Orange	Isiah Orange
Resident Address:	N/A	Not Applicable	3615 Jones St.	3615 Jones St.
Collection Depth:	N/A	Not Applicable	(0 - 6")	(0 - 6")
Latitude:	N/A	Not Applicable	31°17.323'	31°17.314'
Longitude:	N/A	Not Applicable	092°25.694	092°25.694
Sample Matrix:	N/A	Water	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Not Applicable	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	0.001 JB	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	BRL	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-2286-25 (0-6')	DC-SS-2286-26 (0-6')	DC-SS-3130-27 (0-6')
Date Sampled:	N/A	6/12/04	6/12/04	6/12/04
Resident Name:	N/A	Church	Church	Nita Thomas
Resident Address:	N/A	2286 Willow Glen Rd.	2286 Willow Glen Rd.	3130 Wise St.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.018'	31°17.010'	31°17.007'
Longitude:	N/A	092°25.754'	092°25.753'	092°26.866'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-2286-25 (0-6')	DC-SS-2286-26 (0-6')	DC-SS-3130-27 (0-6')
Date Sampled:	N/A	6/12/04	6/12/04	6/12/04
Resident Name:	N/A	Church	Church	Nita Thomas
Resident Address:	N/A	2286 Willow Glen Rd.	2286 Willow Glen Rd.	3130 Wise St.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.018'	31°17.010'	31°17.007'
Longitude:	N/A	092°25.754'	092°25.753'	092°26.866'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2,-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	BRL	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3130-28 (0-6")	DC-DS-CC-29 (0-6")	DC-DS-CC-29 (30-36")
Date Sampled:	N/A	6/12/04	6/13/04	6/13/04
Resident Name:	N/A	Nita Thomas	Isiah Orange	Isiah Orange
Resident Address:	N/A	3130 Wise St.	Former Chatlin Lake Canal	Former Chatlin Lake Canal
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(30 - 36")
Latitude:	N/A	31°17.006'	31°17.131'	31°17.131'
Longitude:	N/A	092°26.865'	092°25.883'	092°25.883'
Sample Matrix:	N/A	Soil Sediment	Ditch Sediment	Ditch Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3130-28 (0-6")	DC-DS-CC-29 (0-6")	DC-DS-CC-29 (30-36")
Date Sampled:	N/A	6/12/04	6/13/04	6/13/04
Resident Name:	N/A	Nita Thomas	Isiah Orange	Isiah Orange
Resident Address:	N/A	3130 Wise St.	Former Chatlin Lake Canal	Former Chatlin Lake Canal
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(30 - 36")
Latitude:	N/A	31°17.006'	31°17.131'	31°17.131'
Longitude:	N/A	092°26.865'	092°25.883'	092°25.883'
Sample Matrix:	N/A	Soil Sediment	Ditch Sediment	Ditch Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	0.013
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	0.011
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	BRL	0.005 J	1.29 D
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2,-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	0.002 J	BRL	0.001 J
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	0.011
1,3,5,-Trimethylbenzene	N/A	BRL	BRL	0.003 J
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	0.004 J
m,p-Xylenes	N/A	BRL	BRL	0.005 J

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-CC-30 (0-6")	DC-DS-CC-30 (30-36")	DC-DS-CC-31 (0-6")
Date Sampled:	N/A	6/13/04	6/13/04	6/13/04
Resident Name:	N/A	Isiah Orange	Isiah Orange	Isiah Orange
Resident Address:	N/A	Former Chatlin Lake Canal	Former Chatlin Lake Canal	Former Chatlin Lake Canal
Collection Depth:	N/A	(0 - 6")	(30 - 36")	(0 - 6")
Latitude:	N/A	31°17.132'	31°17.132'	31°17.133'
Longitude:	N/A	092°25.881'	092°25.881'	092°25.881'
Sample Matrix:	N/A	Ditch Sediment	Ditch Sediment	Ditch Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	0.432 J	0.020 J	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	5.25	0.2	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	3.29	0.128	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-CC-30 (0-6')	DC-DS-CC-30 (30-36')	DC-DS-CC-31 (0-6')
Date Sampled:	N/A	6/13/04	6/13/04	6/13/04
Resident Name:	N/A	Isiah Orange	Isiah Orange	Isiah Orange
Resident Address:	N/A	Former Chatlin Lake Canal	Former Chatlin Lake Canal	Former Chatlin Lake Canal
Collection Depth:	N/A	(0 - 6")	(30 - 36")	(0 - 6")
Latitude:	N/A	31°17.132'	31°17.132'	31°17.133'
Longitude:	N/A	092°25.881'	092°25.881'	092°25.881'
Sample Matrix:	N/A	Ditch Sediment	Ditch Sediment	Ditch Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	38.6 D	2.45 D	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	82.3 D	5.05 D	BRL
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	18400 D	370 D	0.004 J
n-Propylbenzene	N/A	7.98	0.314	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	3.71	0.152	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	56.8 D	3.81 D	BRL
1,3,5-Trimethylbenzene	N/A	26.1 D	1.72 D	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	13.2	0.512	BRL
m,p-Xylenes	N/A	25.2	0.94	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-HB-32 (0-6')	DC-DS-HB-33 (0-6')	DC-DS-HB-34 (0-6')
Date Sampled:	N/A	6/13/04	6/13/04	6/13/04
Resident Name:	N/A	Not Applicable	Not Applicable	Not Applicable
Resident Address:	N/A	Hynson Bayou	Hynson Bayou	Hynson Bayou
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.892'	31°16.897'	31°16.895'
Longitude:	N/A	092°26.131'	092°26.129'	092°26.129'
Sample Matrix:	N/A	Ditch Sediment	Ditch Sediment	Ditch Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	0.014	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-HB-32 (0-6')	DC-DS-HB-33 (0-6')	DC-DS-HB-34 (0-6')
Date Sampled:	N/A	6/13/04	6/13/04	6/13/04
Resident Name:	N/A	Not Applicable	Not Applicable	Not Applicable
Resident Address:	N/A	Hynson Bayou	Hynson Bayou	Hynson Bayou
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.892'	31°16.897'	31°16.895'
Longitude:	N/A	092°26.131'	092°26.129'	092°26.129'
Sample Matrix:	N/A	Ditch Sediment	Ditch Sediment	Ditch Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	0.002 J	0.006 J	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	0.001 J	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	Field Blank	DC-SS-831-36 (0-6")	DC-SS-831-37 (0-6")
Date Sampled:	N/A	6/13/04	6/14/04	6/14/04
Resident Name:	N/A	Not Applicable	Baptist Church	Baptist Church
Resident Address:	N/A	Not Applicable	831 Broadway Ave.	831 Broadway Ave.
Collection Depth:	N/A	Not Applicable	(0 - 6")	(0 - 6")
Latitude:	N/A	Not Applicable	31°17.862'	31°17.840'
Longitude:	N/A	Not Applicable	092°26.140'	092°26.119'
Sample Matrix:	N/A	Water	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Not Applicable	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	Field Blank	DC-SS-831-36 (0-6")	DC-SS-831-37 (0-6")
Date Sampled:	N/A	6/13/04	6/14/04	6/14/04
Resident Name:	N/A	Not Applicable	Baptist Church	Baptist Church
Resident Address:	N/A	Not Applicable	831 Broadway Ave.	831 Broadway Ave.
Collection Depth:	N/A	Not Applicable	(0 - 6")	(0 - 6")
Latitude:	N/A	Not Applicable	31°17.862'	31°17.840'
Longitude:	N/A	Not Applicable	092°26.140'	092°26.119'
Sample Matrix:	N/A	Water	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Not Applicable	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	0.001 JB	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	BRL	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-CC-38 (0-6")	DC-DS-CC-39 (0-6")	DC-DS-CC-40 (0-6")
Date Sampled:	N/A	6/14/04	6/14/04	6/14/04
Resident Name:	N/A	Unknown	Unknown	Unknown
Resident Address:	N/A	Former chatlin Lake Cana	Former chatlin Lake Cana	Former chatlin Lake Cana
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.979'	31°16.979'	31°16.979'
Longitude:	N/A	092°25.634'	092°25.634'	092°25.634'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-CC-38 (0-6")	DC-DS-CC-39 (0-6")	DC-DS-CC-40 (0-6")
Date Sampled:	N/A	6/14/04	6/14/04	6/14/04
Resident Name:	N/A	Unknown	Unknown	Unknown
Resident Address:	N/A	Former chattin Lake Cana	Former chattin Lake Cana	Former chattin Lake Cana
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.979'	31°16.979'	31°16.979'
Longitude:	N/A	092°25.634'	092°25.634'	092°25.634'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	BRL	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-DD-41 (0-6")	DC-DS-DD-42 (0-6")	DC-DS-DD-43 (0-6")
Date Sampled:	N/A	6/14/04	6/14/04	6/14/04
Resident Name:	N/A	Unknown	Unknown	Unknown
Resident Address:	N/A	Durawood Drainage	Durawood Drainage	Durawood Drainage
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.944'	31°16.944'	31°16.944'
Longitude:	N/A	092°26.078	092°26.078	092°26.078
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-DD-41 (0-6')	DC-DS-DD-42 (0-6')	DC-DS-DD-43 (0-6')
Date Sampled:	N/A	6/14/04	6/14/04	6/14/04
Resident Name:	N/A	Unknown	Unknown	Unknown
Resident Address:	N/A	Durawood Drainage	Durawood Drainage	Durawood Drainage
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.944'	31°16.944'	31°16.944'
Longitude:	N/A	092°26.078	092°26.078	092°26.078
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	BRL	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-DD-44 (0-6')	DC-DS-DD-45 (0-6')	DC-DS-DD-46 (0-6')
Date Sampled:	N/A	6/14/04	6/14/04	6/14/04
Resident Name:	N/A	Unknown	Unknown	Unknown
Resident Address:	N/A	Durawood Drainage	Durawood Drainage	Durawood Drainage
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.944'	31°16.944'	31°16.944'
Longitude:	N/A	092°26.078	092°26.078	092°26.078
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL	BRL	BRL
Bromobenzene	N/A	BRL	BRL	BRL
Bromochloromethane	N/A	BRL	BRL	BRL
Bromodichloromethane	N/A	BRL	BRL	BRL
Bromoform	N/A	BRL	BRL	BRL
Bromomethane	0.43	BRL	BRL	BRL
MTBE	650	BRL	BRL	BRL
tert-Butylbenzene	N/A	BRL	BRL	BRL
sec-Butylbenzene	N/A	BRL	BRL	BRL
n-Butylbenzene	N/A	BRL	BRL	BRL
Carbon Tetrachloride	0.18	BRL	BRL	BRL
Chlorobenzene	17	BRL	BRL	BRL
Chloroethane	4.1	BRL	BRL	BRL
Chloroform	0.044	BRL	BRL	BRL
Chloromethane	3.5	BRL	BRL	BRL
2-Chlorotoluene	N/A	BRL	BRL	BRL
4-Chlorotoluene	N/A	BRL	BRL	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL	BRL	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL	BRL	BRL
Dibromochloromethane	N/A	BRL	BRL	BRL
Dibromomethane	N/A	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
Dichlorodifluoromethane	N/A	BRL	BRL	BRL
1,2-Dichloroethane	0.82	BRL	BRL	BRL
1,1-Dichloroethane	66	BRL	BRL	BRL
trans-1,2-Dichloroethene	6.9	BRL	BRL	BRL
cis-1,2-Dichloroethene	4.8	BRL	BRL	BRL
1,1-Dichloroethene	13	BRL	BRL	BRL
2,2-Dichloropropane	N/A	BRL	BRL	BRL
1,3-Dichloropropane	N/A	BRL	BRL	BRL
trans-1,3-Dichloropropene	N/A	BRL	BRL	BRL
1,1-Dichloropropene	N/A	BRL	BRL	BRL

**Table 3-1. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-DD-44 (0-6')	DC-DS-DD-45 (0-6')	DC-DS-DD-46 (0-6')
Date Sampled:	N/A	6/14/04	6/14/04	6/14/04
Resident Name:	N/A	Unknown	Unknown	Unknown
Resident Address:	N/A	Durawood Drainage	Durawood Drainage	Durawood Drainage
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.944'	31°16.944'	31°16.944'
Longitude:	N/A	092°26.078	092°26.078	092°26.078
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8260	8260	8260
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm	mg/kg or ppm
cis-1,3-Dichloropropene	N/A	BRL	BRL	BRL
Ethylbenzene	160	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Isopropylbenzene	N/A	BRL	BRL	BRL
Methylene Chloride	19	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
n-Propylbenzene	N/A	BRL	BRL	BRL
Styrene	500	BRL	BRL	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL	BRL	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL	BRL	BRL
Tetrachloroethylene	8.3	BRL	BRL	BRL
Toluene	68	BRL	BRL	BRL
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2,3-Trichlorobenzene	N/A	BRL	BRL	BRL
1,1,2-Trichloroethane	1.9	BRL	BRL	BRL
1,1,1-Trichloroethane	82	BRL	BRL	BRL
Trichloroethene	0.1	BRL	BRL	BRL
Trichlorofluoromethane	38	BRL	BRL	BRL
1,2,3-Trichloropropane	N/A	BRL	BRL	BRL
1,2,4-Trimethylbenzene	N/A	BRL	BRL	BRL
1,3,5-Trimethylbenzene	N/A	BRL	BRL	BRL
Vinyl Chloride	N/A	BRL	BRL	BRL
o-Xylene	N/A	BRL	BRL	BRL
m,p-Xylenes	N/A	BRL	BRL	BRL

Legend 1:	
Sample ID -	Identification number assigned to the sample
Date Sampled -	Date the sample was collected
Resident Name -	Name of current or former resident
Resident Address -	Address where the sample was collected
Collection Depth -	Depth interval at which the sample was collected
Latitude -	Latitude of the sample location recorded from GPS unit
Longitude -	Longitude of the sample location recorded from GPS unit
Sample Matrix -	Sample composition (i.e., Indoor Dust, Ambient Air)
Sample Collected By -	Firm which collected the sample
Sampling Method -	Method, Standard, or Device by which the sample was collected
Analytical Method -	Method used to analyze the sample
Analytical Laboratory -	Laboratory where the sample was analyzed
Field Work Phase -	Project Phase during which the sample was collected
Units -	Units of measurement used to report analysis results
mg/kg -	Milligram per kilogram
BRL -	Below Reporting Limit or less than the laboratory reporting limit
N/A -	Not Applicable
MQL -	Method Quantization Limit or lowest calibrated detection limit
SQL -	Sample Quantization Limit or the Method Detection Limit corrected for sample specific variances (i.e., percent moisture)
J -	Identifies that the target analyte was positively identified below the MQL and above the SQL
D -	The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
B -	A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
	Samples highlighted in this color are above the Louisiana Soil Screening Level

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3730-01 (0-6')	DC-SS-3730-02 (0-6')	DC-SS-3708-03 (0-6')
Date Sampled:	N/A	6/7/04	6/7/04	6/7/04
Resident Name:	N/A	Mary Guillot	Mary Guillot	Florence Holmes
Resident Address:	N/A	3730 5 th St.	3730 5 th St.	3708 Bloch St.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.540'	31°17.535'	31°16.535'
Longitude:	N/A	092°25.304'	092°25.311'	092°26.246'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	BRL	BRL	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	BRL	BRL	BRL
Acenaphthylene	350	BRL	BRL	BRL
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	BRL	BRL	BRL
Benzo(a)anthracene	0.62	BRL	BRL	BRL
Benzo(a)pyrene	0.33	BRL	BRL	BRL
Benzo(b)fluoranthene	0.62	BRL	BRL	0.205 J
Benzo(b/j)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3730-01 (0-6')	DC-SS-3730-02 (0-6')	DC-SS-3708-03 (0-6')
Date Sampled:	N/A	6/7/04	6/7/04	6/7/04
Resident Name:	N/A	Mary Guillot	Mary Guillot	Florence Holmes
Resident Address:	N/A	3730 5 th St.	3730 5 th St.	3708 Bloch St.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.540'	31°17.535'	31°16.535'
Longitude:	N/A	092°25.304'	092°25.311'	092°26.246'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	BRL	BRL	0.103 J
Benzo(k)fluoranthene	0.62	BRL	BRL	BRL
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	0.186 J	0.042 J	BRL
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	BRL	BRL	BRL
Dibenzo(a,h)Anthracene	0.33	BRL	BRL	BRL
Dibenzofuran	29	BRL	BRL	BRL
Diethyl Phthalate	670	BRL	BRL	BRL
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	BRL
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	BRL	BRL	BRL
Fluorene	280	BRL	BRL	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	BRL	BRL	BRL
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	BRL	BRL	BRL
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	BRL	BRL	BRL
Pyrene	230	BRL	BRL	BRL
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	0.19	0.04	0.31

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3708-04 (0-6')	DC-SS-3721-05 (0-6')	DC-SS-3721-06 (0-6')
Date Sampled:	N/A	6/7/04	6/7/04	6/7/04
Resident Name:	N/A	Florence Holmes	Lucenda Johnson	Lucenda Johnson
Resident Address:	N/A	3708 Bloch St.	3721 Church St.	3721 Church St.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.547'	31°16.506'	31°16.505'
Longitude:	N/A	092°26.238'	092°26.303'	092°26.297'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	BRL	BRL	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	BRL	BRL	BRL
Acenaphthylene	350	0.050 J	BRL	BRL
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	BRL	BRL	BRL
Benzo(a)anthracene	0.62	0.164 J	BRL	BRL
Benzo(a)pyrene	0.33	0.164 J	BRL	BRL
Benzo(b)fluoranthene	0.62	0.328	BRL	BRL
Benzo(b)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3708-04 (0-6')	DC-SS-3721-05 (0-6')	DC-SS-3721-06 (0-6')
Date Sampled:	N/A	6/7/04	6/7/04	6/7/04
Resident Name:	N/A	Florence Holmes	Lucenda Johnson	Lucenda Johnson
Resident Address:	N/A	3708 Bloch St.	3721 Church St.	3721 Church St.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.547'	31°16.506'	31°16.505'
Longitude:	N/A	092°26.238'	092°26.303'	092°26.297'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	0.054 J	BRL	0.049 J
Benzo(k)fluoranthene	0.62	0.123 J	BRL	BRL
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	0.082 J	BRL	BRL
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	0.188 J	BRL	BRL
Dibenzo(a,h)Anthracene	0.33	BRL	BRL	BRL
Dibenzofuran	29	BRL	BRL	BRL
Diethyl Phthalate	670	BRL	BRL	BRL
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	0.054 J
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	0.177 J	BRL	BRL
Fluorene	280	BRL	BRL	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	BRL	BRL	BRL
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	BRL	BRL	BRL
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	BRL	BRL	BRL
Pyrene	230	0.223 J	BRL	BRL
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	1.55	BRL	0.10

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3715-07 (0-6')	DC-SS-3715-08 (0-6')	DC-SS-3622-09 (0-6')
Date Sampled:	N/A	6/8/04	6/8/04	6/8/04
Resident Name:	N/A	Janet Bruins	Janet Bruins	Janet Bruins
Resident Address:	N/A	3715 Orangefield Dr.	3715 Orangefield Dr.	3622 Orangefield Dr.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.790'	31°16.791'	31°16.816'
Longitude:	N/A	092°26.028'	092°26.031'	092°26.078'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	BRL	BRL	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	BRL	BRL	BRL
Acenaphthylene	350	BRL	BRL	BRL
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	BRL	BRL	BRL
Benzo(a)anthracene	0.62	0.054 J	0.072 J	0.047 J
Benzo(a)pyrene	0.33	0.041 J	0.092 J	0.047 J
Benzo(b)fluoranthene	0.62	0.063 J	0.199 J	0.105 J
Benzo(b/j)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3715-07 (0-6')	DC-SS-3715-08 (0-6')	DC-SS-3622-09 (0-6')
Date Sampled:	N/A	6/8/04	6/8/04	6/8/04
Resident Name:	N/A	Janet Bruins	Janet Bruins	Janet Bruins
Resident Address:	N/A	3715 Orangefield Dr.	3715 Orangefield Dr.	3622 Orangefield Dr.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.790'	31°16.791'	31°16.816'
Longitude:	N/A	092°26.028'	092°26.031'	092°26.078'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	BRL	0.051 J	BRL
Benzo(k)fluoranthene	0.62	BRL	0.070 J	BRL
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	BRL	0.203 J	BRL
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	0.058 J	0.108 J	0.059 J
Dibenzo(a,h)Anthracene	0.33	BRL	BRL	BRL
Dibenzofuran	29	BRL	BRL	BRL
Diethyl Phthalate	670	BRL	BRL	BRL
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	0.051 J	BRL
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	0.137 J	0.118 J	0.052 J
Fluorene	280	BRL	BRL	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	BRL	BRL	BRL
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	0.128 J	BRL	BRL
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	BRL	BRL	BRL
Pyrene	230	0.121 J	0.144 J	0.071 J
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	0.60	1.11	0.38

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3622-10 (0-6')	DC-SS-4020-11 (0-6')	DC-SS-4020-12 (0-6')
Date Sampled:	N/A	6/8/04	6/9/04	6/9/04
Resident Name:	N/A	Janet Bruins	E.C. Hayes Exceptional School	E.C. Hayes Exceptional School
Resident Address:	N/A	3622 Orangefield Dr.	4020 Aaron St.	4020 Aaron St.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.825'	31°16.719'	31°16.730'
Longitude:	N/A	092°26.089'	092°25.733'	092°25.707'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	BRL	BRL	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	BRL	0.094 J	BRL
Acenaphthylene	350	0.046 J	BRL	BRL
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	BRL	0.209 J	BRL
Benzo(a)anthracene	0.62	0.047 J	0.495	BRL
Benzo(a)pyrene	0.33	BRL	0.403	BRL
Benzo(b)fluoranthene	0.62	0.086 J	0.532	BRL
Benzo(b)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3622-10 (0-6")	DC-SS-4020-11 (0-6")	DC-SS-4020-12 (0-6")
Date Sampled:	N/A	6/8/04	6/9/04	6/9/04
Resident Name:	N/A	Janet Bruins	E.C. Hayes Exceptional School	E.C. Hayes Exceptional School
Resident Address:	N/A	3622 Orangefield Dr.	4020 Aaron St.	4020 Aaron St.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.825'	31°16.719'	31°16.730'
Longitude:	N/A	092°26.089'	092°25.733'	092°25.707'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	BRL	0.195 J	BRL
Benzo(k)fluoranthene	0.62	BRL	0.190 J	BRL
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	BRL	BRL	BRL
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	0.073 J	0.464	BRL
Dibenzo(a,h)Anthracene	0.33	BRL	BRL	BRL
Dibenzofuran	29	BRL	BRL	BRL
Diethyl Phthalate	670	BRL	BRL	BRL
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	BRL
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	0.067 J	1.07	BRL
Fluorene	280	BRL	0.070 J	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	BRL	0.222 J	BRL
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2180	BRL	0.735	BRL
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	BRL	BRL	BRL
Pyrene	230	0.133 J	0.917	BRL
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	0.45	5.60	BRL

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-4020-12 (0-6") Duplicate 1	DC-SS-2727-13 (0-6")	DC-SS-2727-14 (0-6")
Date Sampled:	N/A	6/9/04	6/9/04	6/9/04
Resident Name:	N/A	E.C. Hayes Exceptional School	Peabody Magnet High School	Peabody Magnet High School
Resident Address:	N/A	4020 Aaron St.	2727 Jones St.	2727 Jones St.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.730'	31°17.632'	31°17.642'
Longitude:	N/A	092°25.707'	092°26.174'	092°26.173'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	BRL	BRL	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	BRL	BRL	BRL
Acenaphthylene	350	BRL	BRL	BRL
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	BRL	BRL	BRL
Benzo(a)anthracene	0.62	0.090 J	BRL	BRL
Benzo(a)pyrene	0.33	0.078 J	BRL	BRL
Benzo(b)fluoranthene	0.62	0.109 J	BRL	0.045 J
Benzo(b/f)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-4020-12 (0-6") Duplicate 1	DC-SS-2727-13 (0-6")	DC-SS-2727-14 (0-6")
Date Sampled:	N/A	6/9/04	6/9/04	6/9/04
Resident Name:	N/A	E.C. Hayes Exceptional School	Peabody Magnet High School	Peabody Magnet High School
Resident Address:	N/A	4020 Aaron St.	2727 Jones St.	2727 Jones St.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.730'	31°17.632'	31°17.642'
Longitude:	N/A	092°25.707'	092°26.174'	092°26.173'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	BRL	BRL	BRL
Benzo(k)fluoranthene	0.62	BRL	BRL	BRL
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	BRL	BRL	BRL
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	0.095 J	BRL	BRL
Dibenzo(a,h)Anthracene	0.33	BRL	BRL	BRL
Dibenzofuran	29	BRL	BRL	BRL
Diethyl Phthalate	670	BRL	BRL	0.045 J
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	BRL
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	0.193 J	BRL	0.070 J
Fluorene	280	BRL	BRL	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	BRL	BRL	BRL
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	0.102 J	BRL	BRL
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	BRL	BRL	BRL
Pyrene	230	0.178 J	BRL	0.065 J
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	0.85	BRL	0.23

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-2627-15 (0-6')	DC-SS-2627-16 (0-6')	DC-SS-3728-17 (0-6')
Date Sampled:	N/A	6/10/04	6/10/04	6/10/04
Resident Name:	N/A	New Scott OLLY Baptist Church	New Scott OLLY Baptist Church	Eatline Hopkins
Resident Address:	N/A	2627 Willow Glen Rd.	2627 Willow Glen Rd.	3728 Bethel St.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.874'	31°16.859'	31°16.974'
Longitude:	N/A	092°25.866'	092°25.874'	092°26.049'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	BRL	BRL	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	BRL	BRL	BRL
Acenaphthylene	350	BRL	BRL	BRL
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	BRL	BRL	BRL
Benzo(a)anthracene	0.62	BRL	0.055 J	BRL
Benzo(a)pyrene	0.33	BRL	0.048 J	BRL
Benzo(b)fluoranthene	0.62	BRL	0.067 J	BRL
Benzo(b,j)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-2627-15 (0-6')	DC-SS-2627-16 (0-6')	DC-SS-3728-17 (0-6')
Date Sampled:	N/A	6/10/04	6/10/04	6/10/04
Resident Name:	N/A	New Scott OLLY Baptist Church	New Scott OLLY Baptist Church	Eatline Hopkins
Resident Address:	N/A	2627 Willow Glen Rd.	2627 Willow Glen Rd.	3728 Bethel St.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.874'	31°16.859'	31°16.974'
Longitude:	N/A	092°25.866'	092°25.874'	092°26.049'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	BRL	BRL	BRL
Benzo(k)fluoranthene	0.62	BRL	BRL	BRL
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	BRL	0.041 J	0.071 J
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	BRL	0.058 J	BRL
Dibenzo(a,h)Anthracene	0.33	BRL	BRL	BRL
Dibenzofuran	29	BRL	BRL	BRL
Diethyl Phthalate	670	BRL	BRL	BRL
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	BRL
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	0.080 J	0.127 J	BRL
Fluorene	280	BRL	BRL	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	BRL	BRL	BRL
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	0.069 J	0.078 J	BRL
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	BRL	BRL	BRL
Pyrene	230	0.069 J	0.113 J	BRL
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	0.22	0.59	0.07

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3728-17 (0-6") MS/MSD	DC-SS-3728-18 (0-6")	DC-SS-4034-19 (0-6")
Date Sampled:	N/A	6/10/04	6/10/04	6/11/04
Resident Name:	N/A	Eatline Hopkins	Eatline Hopkins	Phillip Sweezer
Resident Address:	N/A	3728 Bethel St.	3728 Bethel St.	4034 Clinton Dr.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.974'	31°16.974'	31°16.744'
Longitude:	N/A	092°26.049'	092°26.052'	092°25.627'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	BRL	BRL	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	BRL	BRL	BRL
Acenaphthylene	350	BRL	BRL	BRL
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	BRL	BRL	BRL
Benzo(a)anthracene	0.62	BRL	BRL	BRL
Benzo(a)pyrene	0.33	BRL	BRL	BRL
Benzo(b)fluoranthene	0.62	BRL	BRL	BRL
Benzo(b/j)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3728-17 (0-6") MS/MSD	DC-SS-3728-18 (0-6")	DC-SS-4034-19 (0-6")
Date Sampled:	N/A	6/10/04	6/10/04	6/11/04
Resident Name:	N/A	Eatline Hopkins	Eatline Hopkins	Phillip Sweezer
Resident Address:	N/A	3728 Bethel St.	3728 Bethel St.	4034 Clinton Dr.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.974'	31°16.974'	31°16.744'
Longitude:	N/A	092°26.049'	092°26.052'	092°25.627'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	BRL	BRL	BRL
Benzo(k)fluoranthene	0.62	BRL	BRL	BRL
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	BRL	BRL	BRL
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	BRL	BRL	BRL
Dibenzo(a,h)Anthracene	0.33	BRL	BRL	BRL
Dibenzofuran	29	BRL	BRL	BRL
Diethyl Phthalate	670	BRL	BRL	BRL
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	BRL
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	BRL	BRL	BRL
Fluorene	280	BRL	BRL	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.62	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	BRL	BRL	BRL
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	BRL	BRL	BRL
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	BRL	BRL	BRL
Pyrene	230	BRL	BRL	BRL
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	BRL	BRL	BRL

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-4034-20 (0-6')	DC-SS-3716-21 (0-6')	DC-SS-3716-22 (0-6')
Date Sampled:	N/A	6/11/04	6/11/04	6/11/04
Resident Name:	N/A	Phillip Sweezer	Chad Williams	Chad Williams
Resident Address:	N/A	4034 Clinton Dr.	3716 Milton St.	3716 Milton St.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.745'	31°17.031'	31°17.028'
Longitude:	N/A	092°25.627'	092°25.811'	092°25.817'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	BRL	BRL	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	BRL	BRL	BRL
Acenaphthylene	350	BRL	BRL	BRL
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	BRL	BRL	BRL
Benzo(a)anthracene	0.62	BRL	BRL	BRL
Benzo(a)pyrene	0.33	BRL	BRL	BRL
Benzo(b)fluoranthene	0.62	BRL	BRL	BRL
Benzo(b)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-4034-20 (0-6')	DC-SS-3716-21 (0-6')	DC-SS-3716-22 (0-6')
Date Sampled:	N/A	6/11/04	6/11/04	6/11/04
Resident Name:	N/A	Phillip Sweezer	Chad Williams	Chad Williams
Resident Address:	N/A	4034 Clinton Dr.	3716 Milton St.	3716 Milton St.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.745'	31°17.031'	31°17.028'
Longitude:	N/A	092°25.627'	092°25.811'	092°25.817'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(g,h,i)perylene	N/A	BRL	BRL	BRL
Benzo(k)fluoranthene	0.62	BRL	BRL	BRL
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	BRL	BRL	BRL
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	BRL	BRL	BRL
Dibenzo(a,h)Anthracene	0.33	BRL	BRL	BRL
Dibenzofuran	29	BRL	BRL	BRL
Diethyl Phthalate	670	BRL	BRL	BRL
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	BRL
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	BRL	BRL	BRL
Fluorene	280	BRL	BRL	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	BRL	BRL	BRL
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	BRL	BRL	BRL
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	BRL	BRL	BRL
Pyrene	230	BRL	BRL	BRL
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	BRL	BRL	BRL

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3615-23 (0-6")	DC-SS-3615-24 (0-6")	DC-SS-2286-25 (0-6")
Date Sampled:	N/A	6/12/04	6/12/04	6/12/04
Resident Name:	N/A	Isiah Orange	Isiah Orange	Pleasant Green Baptist Church
Resident Address:	N/A	3615 Jones St.	3615 Jones St.	2286 Willow Glen Rd.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.323'	31°17.314'	31°17.018'
Longitude:	N/A	092°25.694	092°25.694	092°25.754'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	BRL	BRL	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	BRL	BRL	BRL
Acenaphthylene	350	BRL	BRL	BRL
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	BRL	BRL	BRL
Benzo(a)anthracene	0.62	BRL	BRL	BRL
Benzo(a)pyrene	0.33	BRL	BRL	BRL
Benzo(b)fluoranthene	0.62	BRL	BRL	BRL
Benzo(b)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-3615-23 (0-6')	DC-SS-3615-24 (0-6')	DC-SS-2286-25 (0-6')
Date Sampled:	N/A	6/12/04	6/12/04	6/12/04
Resident Name:	N/A	Isiah Orange	Isiah Orange	Pleasant Green Baptist Church
Resident Address:	N/A	3615 Jones St.	3615 Jones St.	2286 Willow Glen Rd.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.323'	31°17.314'	31°17.018'
Longitude:	N/A	092°25.694	092°25.694	092°25.754'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	BRL	BRL	BRL
Benzo(k)fluoranthene	0.62	BRL	BRL	BRL
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	BRL	BRL	0.041 J
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	BRL	BRL	BRL
Dibenzo(a,h)Anthracene	0.33	BRL	BRL	BRL
Dibenzofuran	29	BRL	BRL	BRL
Diethyl Phthalate	670	BRL	BRL	BRL
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	BRL
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	BRL	BRL	BRL
Fluorene	280	BRL	BRL	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	BRL	BRL	BRL
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	BRL	BRL	BRL
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	BRL	BRL	BRL
Pyrene	230	BRL	BRL	BRL
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	BRL	BRL	0.04

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-2286-26 (0-6')	DC-SS-3130-27 (0-6')	DC-SS-3130-28 (0-6')
Date Sampled:	N/A	6/12/04	6/12/04	6/12/04
Resident Name:	N/A	Pleasant Green Baptist Church	Nita Thomas	Nita Thomas
Resident Address:	N/A	2286 Willow Glen Rd.	3130 Wise St.	3130 Wise St.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.010'	31°17.007'	31°17.006'
Longitude:	N/A	092°25.753'	092°26.866'	092°26.865'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	BRL	BRL	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	BRL	BRL	BRL
Acenaphthylene	350	BRL	BRL	BRL
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	BRL	BRL	BRL
Benzo(a)anthracene	0.62	BRL	BRL	0.106 J
Benzo(a)pyrene	0.33	BRL	BRL	0.088 J
Benzo(b)fluoranthene	0.62	BRL	BRL	0.141 J
Benzo(b/j)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-2286-26 (0-6")	DC-SS-3130-27 (0-6")	DC-SS-3130-28 (0-6")
Date Sampled:	N/A	6/12/04	6/12/04	6/12/04
Resident Name:	N/A	Pleasant Green Baptist Church	Nita Thomas	Nita Thomas
Resident Address:	N/A	2286 Willow Glen Rd.	3130 Wise St.	3130 Wise St.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.010'	31°17.007'	31°17.006'
Longitude:	N/A	092°26.753'	092°26.866'	092°26.865'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	BRL	BRL	BRL
Benzo(k)fluoranthene	0.62	BRL	BRL	0.056 J
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	BRL	0.058 J	0.075 J
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	BRL	BRL	0.113 J
Dibenzo(a,h)Anthracene	0.33	BRL	BRL	BRL
Dibenzofuran	29	BRL	BRL	BRL
Diethyl Phthalate	670	BRL	BRL	0.039 J
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	0.165 J
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	BRL	BRL	0.234
Fluorene	280	BRL	BRL	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	BRL	BRL	BRL
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	BRL	BRL	0.195 J
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	BRL	BRL	BRL
Pyrene	230	BRL	BRL	0.209
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	BRL	0.06	1.42

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-CC-29 (0-6")	DC-DS-CC-29 (30-36")	DC-DS-CC-30 (0-6")
Date Sampled:	N/A	6/13/04	6/13/04	6/13/04
Resident Name:	N/A	Isiah Orange	Isiah Orange	Isiah Orange
Resident Address:	N/A	Former Chatlin Lake Canal	Former Chatlin Lake Canal	Former Chatlin Lake Canal
Collection depth:	N/A	(0 - 6")	(30 - 36")	(0 - 6")
Latitude:	N/A	31°17.131'	31°17.131'	31°17.132'
Longitude:	N/A	092°25.883'	092°25.883'	092°25.881'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	3.19 J	0.627 J	949 D
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	7.22 J	3.38	1040 D
Acenaphthylene	350	45.6	2.51	48.1
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	147	6.2	535
Benzo(a)anthracene	0.62	198	8.51	296
Benzo(a)pyrene	0.33	210	11.5	138
Benzo(b)fluoranthene	0.62	379	17.6	265
Benzo(b/j)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-CC-29 (0-6")	DC-DS-CC-29 (30-36")	DC-DS-CC-30 (0-6")
Date Sampled:	N/A	6/13/04	6/13/04	6/13/04
Resident Name:	N/A	Isiah Orange	Isiah Orange	Isiah Orange
Resident Address:	N/A	Former Chatlin Lake Canal	Former Chatlin Lake Canal	Former Chatlin Lake Canal
Collection depth:	N/A	(0 - 6")	(30 - 36")	(0 - 6")
Latitude:	N/A	31°17.131'	31°17.131'	31°17.132'
Longitude:	N/A	092°25.883'	092°25.883'	092°25.881'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	46.7	2.78	27.2
Benzo(k)fluoranthene	0.62	76.9	5.14	59.3
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	BRL	BRL	BRL
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	224	9.79	238
Dibenzo(a,h)Anthracene	0.33	18.6	1.04	11.3
Dibenzofuran	29	3.70 J	1.38 J	541
Diethyl Phthalate	670	BRL	BRL	BRL
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	BRL
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	343	22.9	1470 D
Fluorene	280	8.03 J	3.03	1030 D
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	68.6	4.08	42.2
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	9.32 J	2.86	1700 D
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	29.1	12.9	2690 D
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	6.56 J	0.639 J	9.939J
Pyrene	230	479	22.1	1120 D
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	2299.52	138.97	12200.04

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-CC-30 (30-36')	DC-DS-CC-31 (0-6')	DC-DS-HB-32 (0-6')
Date Sampled:	N/A	6/13/04	6/13/04	6/13/04
Resident Name:	N/A	Isiah Orange	Isiah Orange	Not Applicable
Resident Address:	N/A	Former Chatlin Lake Canal	Former Chatlin Lake Canal	Hynson Bayou
Collection depth:	N/A	(30 - 36")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.132'	31°17.133'	31°16.892'
Longitude:	N/A	092°25.881'	092°25.881'	092°26.131'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	1.53 J	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	163 D	0.269 J	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	182 D	0.499 J	BRL
Acenaphthylene	350	6.1	8.92	0.122 J
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	134 D	13.1	0.172 J
Benzo(a)anthracene	0.62	45.8	4.31	0.129 J
Benzo(a)pyrene	0.33	17.1	14.1	0.198 J
Benzo(b)fluoranthene	0.62	32.2	25.7	0.397
Benzo(b/j)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-CC-30 (30-36')	DC-DS-CC-31 (0-6')	DC-DS-HB-32 (0-6')
Date Sampled:	N/A	6/13/04	6/13/04	6/13/04
Resident Name:	N/A	Isiah Orange	Isiah Orange	Not Applicable
Resident Address:	N/A	Former Chatlin Lake Canal	Former Chatlin Lake Canal	Hynson Bayou
Collection depth:	N/A	(30 - 36")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.132'	31°17.133'	31°16.892'
Longitude:	N/A	092°25.881'	092°25.881'	092°26.131'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	2.9	6.6	0.166 J
Benzo(k)fluoranthene	0.62	5.48	4.63	0.134 J
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	BRL	BRL	0.043 J
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	29.6	5.88	0.206
Dibenzo(a,h)Anthracene	0.33	1.28	2.39	BRL
Dibenzofuran	29	136 D	0.267 J	BRL
Diethyl Phthalate	670	BRL	BRL	BRL
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	BRL
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	236 D	4.36	0.237
Fluorene	280	183 D	0.473 J	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	4.4	8.91	0.162 J
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	281 D	0.681 J	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	489 D	1.6	0.102
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	2.5	2.43	BRL
Pyrene	230	174 D	6.38	0.251
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	2126.89	109.50	2.32

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-HB-33 (0-6')	DC-DS-HB-34 (0-6')	DC-SS-831-36 (0-6')
Date Sampled:	N/A	6/13/04	6/13/04	6/14/04
Resident Name:	N/A	Not Applicable	Not Applicable	True Vine Missionary Baptist Church
Resident Address:	N/A	Hynson Bayou	Hynson Bayou	831 Broadway Ave.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.897'	31°16.895'	31°17.862'
Longitude:	N/A	092°26.129'	092°26.129'	092°26.140'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	BRL	BRL	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	0.27	BRL	BRL
Acenaphthylene	350	0.579	0.063 J	BRL
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	0.859	0.105 J	BRL
Benzo(a)anthracene	0.62	0.646	0.048 J	BRL
Benzo(a)pyrene	0.33	0.928	0.062 J	BRL
Benzo(b)fluoranthene	0.62	1.79	0.112 J	BRL
Benzo(b)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-HB-33 (0-6')	DC-DS-HB-34 (0-6')	DC-SS-831-36 (0-6')
Date Sampled:	N/A	6/13/04	6/13/04	6/14/04
Resident Name:	N/A	Not Applicable	Not Applicable	True Vine Missionary Baptist Church
Resident Address:	N/A	Hynson Bayou	Hynson Bayou	831 Broadway Ave.
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.897'	31°16.895'	31°17.862'
Longitude:	N/A	092°26.129'	092°26.129'	092°26.140'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	0.578	0.067 J	BRL
Benzo(k)fluoranthene	0.62	0.451	BRL	BRL
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	0.073 J	BRL	0.179 J
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	0.873	0.066 J	BRL
Dibenzo(a,h)Anthracene	0.33	0.114 J	BRL	BRL
Dibenzofuran	29	0.075 J	BRL	BRL
Diethyl Phthalate	670	BRL	BRL	BRL
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	BRL
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	1.65	0.078 J	0.054 J
Fluorene	280	0.187 J	BRL	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	0.573	0.061 J	BRL
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	0.081 J	BRL	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	0.674	0.045 J	0.049 J
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	BRL	BRL	BRL
Pyrene	230	1.74	0.083 J	BRL
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	12.14	0.80	0.28

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-831-37 (0-6')	DC-DS-CC-38 (0-6')	DC-DS-CC-39 (0-6')
Date Sampled:	N/A	6/14/04	6/14/04	6/14/04
Resident Name:	N/A	True Vine Missionary Baptist Church	Unknown	Unknown
Resident Address:	N/A	831 Broadway Ave.	Former chatlin Lake Canal	Former chatlin Lake Canal
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.840'	31°16.979'	31°16.979'
Longitude:	N/A	092°26.119'	092°25.634'	092°25.634'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	BRL	BRL	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	BRL	BRL	BRL
Acenaphthylene	350	BRL	0.221 J	0.241 J
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	BRL	0.231 J	0.215 J
Benzo(a)anthracene	0.62	BRL	0.196	0.353
Benzo(a)pyrene	0.33	BRL	0.334	0.846
Benzo(b)fluoranthene	0.62	BRL	0.541	1.29
Benzo(b/j)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-831-37 (0-6")	DC-DS-CC-38 (0-6")	DC-DS-CC-39 (0-6")
Date Sampled:	N/A	6/14/04	6/14/04	6/14/04
Resident Name:	N/A	True Vine Missionary Baptist Church	Unknown	Unknown
Resident Address:	N/A	831 Broadway Ave.	Former chatlin Lake Canal	Former chatlin Lake Canal
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.840'	31°16.979'	31°16.979'
Longitude:	N/A	092°26.119'	092°25.634'	092°25.634'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	BRL	0.294	0.362
Benzo(k)fluoranthene	0.62	BRL	0.191 J	0.415
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	BRL	BRL	0.087 J
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	BRL	0.255	0.55
Dibenzo(a,h)Anthracene	0.33	BRL	0.063 J	0.112J
Dibenzofuran	29	BRL	BRL	BRL
Diethyl Phthalate	670	BRL	BRL	BRL
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	0.053 J
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	BRL	0.256	0.41
Fluorene	280	BRL	BRL	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	BRL	0.287	0.471
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	BRL	0.091 J	BRL
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	BRL	BRL	BRL
Pyrene	230	BRL	0.3	0.602
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	BRL	3.30	6.01

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-CC-40 (0-6')	DC-DS-DD-41 (0-6')	DC-DS-DD-42 (0-6')
Date Sampled:	N/A	6/14/04	6/14/04	6/14/04
Resident Name:	N/A	Unknown	Unknown	Unknown
Resident Address:	N/A	Former chatlin Lake Canal	Durawood Drainage	Durawood Drainage
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.979'	31°16.944'	31°16.944'
Longitude:	N/A	092°25.634'	092°26.078'	092°26.078'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	BRL	BRL	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	BRL	BRL	BRL
Acenaphthylene	350	1.21	BRL	BRL
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	1.17	BRL	BRL
Benzo(a)anthracene	0.62	2.71	BRL	0.056 J
Benzo(a)pyrene	0.33	4.5	BRL	0.061 J
Benzo(b)fluoranthene	0.62	7.87	0.074 J	0.107 J
Benzo(b)j/fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-CC-40 (0-6')	DC-DS-DD-41 (0-6')	DC-DS-DD-42 (0-6')
Date Sampled:	N/A	6/14/04	6/14/04	6/14/04
Resident Name:	N/A	Unknown	Unknown	Unknown
Resident Address:	N/A	Former chatin Lake Canal	Durawood Drainage	Durawood Drainage
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.979'	31°16.944'	31°16.944'
Longitude:	N/A	092°25.634'	092°26.078'	092°26.078'
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	1.27	BRL	BRL
Benzo(k)fluoranthene	0.62	1.62	BRL	BRL
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	BRL	BRL	BRL
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	4.28	0.062 J	0.081 J
Dibenzo(a,h)Anthracene	0.33	0.461	BRL	BRL
Dibenzofuran	29	BRL	BRL	BRL
Diethyl Phthalate	670	BRL	BRL	BRL
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	BRL
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	2.21	0.075 J	0.062 J
Fluorene	280	0.075	BRL	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.62	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	1.78	BRL	BRL
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	0.139 J	BRL	BRL
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	0.094	BRL	BRL
Pyrene	230	4.94	0.069 J	0.068 J
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	34.33	0.30	0.44

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-DD-43 (0-6')	DC-DS-DD-44 (0-6')	DC-DS-DD-45 (0-6')
Date Sampled:	N/A	6/14/04	6/14/04	6/14/04
Resident Name:	N/A	Unknown	Unknown	Unknown
Resident Address:	N/A	Durawood Drainage	Durawood Drainage	Durawood Drainage
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.944'	31°16.944'	31°16.944'
Longitude:	N/A	092°26.078	092°26.078	092°26.078
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
1,2,4-Trichlorobenzene	66	BRL	BRL	BRL
1,2-Dichlorobenzene	99	BRL	BRL	BRL
1,3-Dichlorobenzene	2.1	BRL	BRL	BRL
1,4-Dichlorobenzene	6.7	BRL	BRL	BRL
2,4,5-Trichlorophenol	530	BRL	BRL	BRL
2,4,6-Trichlorophenol	40	BRL	BRL	BRL
2,4-Dichlorophenol	16	BRL	BRL	BRL
2,4-Dimethylphenol	93	BRL	BRL	BRL
2,4-Dinitrophenol	7.1	BRL	BRL	BRL
2,4-Dinitrotoluene	8.9	BRL	BRL	BRL
2,6-Dinitrotoluene	4.3	BRL	BRL	BRL
2-Chloronaphthalene	N/A	BRL	BRL	BRL
2-Chlorophenol	N/A	BRL	BRL	BRL
2-Methylnaphthalene	22	BRL	BRL	BRL
2-Methylphenol	N/A	BRL	BRL	BRL
2-Nitrophenol	N/A	BRL	BRL	BRL
2-Nitroaniline	1.7	BRL	BRL	BRL
3&4-Methylphenol	N/A	BRL	BRL	BRL
3,3-Dichlorobenzidine	0.97	BRL	BRL	BRL
3-Nitroaniline	13	BRL	BRL	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL	BRL	BRL
4-Bromophenyl-phenylether	N/A	BRL	BRL	BRL
4-chloro-3-methylphenol	N/A	BRL	BRL	BRL
4-Chloroaniline	N/A	BRL	BRL	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL	BRL	BRL
4-Nitroaniline	10	BRL	BRL	BRL
4-Nitrophenol	32	BRL	BRL	BRL
Acenaphthene	370	BRL	BRL	BRL
Acenaphthylene	350	BRL	BRL	0.058 J
Aniline	2.4	BRL	BRL	BRL
Anthracene	2200	BRL	BRL	BRL
Benzo(a)anthracene	0.62	BRL	BRL	0.077 J
Benzo(a)pyrene	0.33	BRL	BRL	0.106 J
Benzo(b)fluoranthene	0.62	BRL	BRL	0.237 J
Benzo(b)fluoranthene	N/A	SC/NT	SC/NT	SC/NT
Benzo(e)pyrene	N/A	SC/NT	SC/NT	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-DD-43 (0-6')	DC-DS-DD-44 (0-6')	DC-DS-DD-45 (0-6')
Date Sampled:	N/A	6/14/04	6/14/04	6/14/04
Resident Name:	N/A	Unknown	Unknown	Unknown
Resident Address:	N/A	Durawood Drainage	Durawood Drainage	Durawood Drainage
Collection depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.944'	31°16.944'	31°16.944'
Longitude:	N/A	092°26.078	092°26.078	092°26.078
Sample Matrix:	N/A	Soil/Sediment	Soil/Sediment	Soil/Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	8270	8270	8270
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Benzo(ghi)perylene	N/A	BRL	BRL	0.138 J
Benzo(k)fluoranthene	0.62	BRL	BRL	0.078 J
Benzoic Acid	N/A	BRL	BRL	BRL
Benzyl Butyl Phthalate	N/A	BRL	BRL	BRL
bis(2-chloroethoxy)methane	N/A	BRL	BRL	BRL
bis(2-chloroethyl)ether	0.33	BRL	BRL	BRL
bis(2-chloroisopropyl)ether	4.9	BRL	BRL	BRL
bis(2-ethylhexyl) phthalate	35	BRL	BRL	0.063 J
Carbazole	N/A	SC/NT	SC/NT	SC/NT
Chrysene	62	BRL	BRL	0.164 J
Dibenzo(a,h)Anthracene	0.33	BRL	BRL	BRL
Dibenzofuran	29	BRL	BRL	BRL
Diethyl Phthalate	670	0.093 J	BRL	BRL
Dimethyl Phthalate	1500	BRL	BRL	BRL
di-n-butyl Phthalate	N/A	BRL	BRL	BRL
di-n-Octyl Phthalate	N/A	BRL	BRL	BRL
Fluoranthene	220	BRL	BRL	0.186 J
Fluorene	280	BRL	BRL	BRL
Hexachlorobenzene	0.34	BRL	BRL	BRL
Hexachlorobutadiene	0.82	BRL	BRL	BRL
Hexachlorocyclopentadiene	1.4	BRL	BRL	BRL
Hexachloroethane	5.2	BRL	BRL	BRL
Indeno (1,2,3-cd)pyrene	0.62	BRL	BRL	0.117 J
Isophorone	340	BRL	BRL	BRL
Naphthalene	6.2	BRL	BRL	BRL
Nitrobenzene	2.2	BRL	BRL	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL	BRL	BRL
N-Nitrosodiphenylamine	90	BRL	BRL	BRL
Pentachlorophenol	2.8	BRL	BRL	BRL
Perylene	N/A	SC/NT	SC/NT	SC/NT
Phenanthrene	2100	BRL	BRL	BRL
Phenol	1300	BRL	BRL	BRL
Pristane	N/A	BRL	BRL	BRL
Pyrene	230	BRL	BRL	0.199 J
Pyridine	N/A	BRL	BRL	BRL
Total SVOC's	N/A	0.09	BRL	1.42

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-DD-46 (0-6')
Date Sampled:	N/A	6/14/04
Resident Name:	N/A	Unknown
Resident Address:	N/A	Durawood Drainage
Collection depth:	N/A	(0 - 6")
Latitude:	N/A	31°16.944'
Longitude:	N/A	092°26.078'
Sample Matrix:	N/A	Soil/Sediment
Sample Collected By:	N/A	3TM
Sampling Method:	N/A	Hand Auger
Analytical Method:	N/A	8270
Analytical Laboratory:	N/A	Xenco
Field Work Phase:	N/A	Phase I
Units:	mg/kg	
1,2,4-Trichlorobenzene	66	BRL
1,2-Dichlorobenzene	99	BRL
1,3-Dichlorobenzene	2.1	BRL
1,4-Dichlorobenzene	6.7	BRL
2,4,5-Trichlorophenol	530	BRL
2,4,6-Trichlorophenol	40	BRL
2,4-Dichlorophenol	16	BRL
2,4-Dimethylphenol	93	BRL
2,4-Dinitrophenol	7.1	BRL
2,4-Dinitrotoluene	8.9	BRL
2,6-Dinitrotoluene	4.3	BRL
2-Chloronaphthalene	N/A	BRL
2-Chlorophenol	N/A	BRL
2-Methylnaphthalene	22	BRL
2-Methylphenol	N/A	BRL
2-Nitrophenol	N/A	BRL
2-Nitroaniline	1.7	BRL
3&4-Methylphenol	N/A	BRL
3,3-Dichlorobenzidine	0.97	BRL
3-Nitroaniline	13	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL
4-Bromophenyl-phenylether	N/A	BRL
4-chloro-3-methylphenol	N/A	BRL
4-Chloroaniline	N/A	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL
4-Nitroaniline	10	BRL
4-Nitrophenol	32	BRL
Acenaphthene	370	BRL
Acenaphthylene	350	BRL
Aniline	2.4	BRL
Anthracene	2200	BRL
Benzo(a)anthracene	0.62	BRL
Benzo(a)pyrene	0.33	BRL
Benzo(b)fluoranthene	0.62	0.062 J
Benzo(bf)fluoranthene	N/A	SC/NT
Benzo(e)pyrene	N/A	SC/NT

**Table 3-2. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-DD-46 (0-6')
Date Sampled:	N/A	6/14/04
Resident Name:	N/A	Unknown
Resident Address:	N/A	Durawood Drainage
Collection depth:	N/A	(0 - 6")
Latitude:	N/A	31°16.944'
Longitude:	N/A	092°26.078'
Sample Matrix:	N/A	Soil/Sediment
Sample Collected By:	N/A	3TM
Sampling Method:	N/A	Hand Auger
Analytical Method:	N/A	8270
Analytical Laboratory:	N/A	Xenco
Field Work Phase:	N/A	Phase I
Units:	mg/kg	
Benzo(ghi)perylene	N/A	BRL
Benzo(k)fluoranthene	0.62	BRL
Benzoic Acid	N/A	BRL
Benzyl Butyl Phthalate	N/A	BRL
bis(2-chloroethoxy)methane	N/A	BRL
bis(2-chloroethyl)ether	0.33	BRL
bis(2-chloroisopropyl)ether	4.9	BRL
bis(2-ethylhexyl) phthalate	35	BRL
Carbazole	N/A	SC/NT
Chrysene	62	BRL
Dibenzo(a,h)Anthracene	0.33	BRL
Dibenzofuran	29	BRL
Diethyl Phthalate	670	BRL
Dimethyl Phthalate	1500	BRL
di-n-butyl Phthalate	N/A	BRL
di-n-Octyl Phthalate	N/A	BRL
Fluoranthene	220	BRL
Fluorene	280	BRL
Hexachlorobenzene	0.34	BRL
Hexachlorobutadiene	0.82	BRL
Hexachlorocyclopentadiene	1.4	BRL
Hexachloroethane	5.2	BRL
Indeno (1,2,3-cd)pyrene	0.62	BRL
Isophorone	340	BRL
Naphthalene	6.2	BRL
Nitrobenzene	2.2	BRL
N-Nitrosodi-n-Propylamine	0.33	BRL
N-Nitrosodiphenylamine	90	BRL
Pentachlorophenol	2.8	BRL
Perylene	N/A	SC/NT
Phenanthrene	2100	BRL
Phenol	1300	BRL
Pristane	N/A	BRL
Pyrene	230	BRL
Pyridine	N/A	BRL
Total SVOC's	N/A	0.06

Legend 2:	
Sample ID -	Identification number assigned to the sample
Date Sampled -	Date the sample was collected
Resident Name -	Name of current or former resident
Resident Address -	Address where the sample was collected
Collection Depth -	Depth interval at which the sample was collected
Latitude -	Latitude of the sample location recorded from GPS unit
Longitude -	Longitude of the sample location recorded from GPS unit
Sample Matrix -	Sample composition (i.e., Indoor Dust, Ambient Air)
Sample Collected By -	Firm which collected the sample
Sampling Method -	Method, Standard, or Device by which the sample was collected
Analytical Method -	Method used to analyze the sample
Analytical Laboratory -	Laboratory where the sample was analyzed
Field Work Phase -	Project Phase during which the sample was collected
Units -	Units of measurement used to report analysis results
mg/kg -	Milligram per kilogram
SC/NT	Sample collected not tested
BRL -	Below Reporting Limit or less than the laboratory reporting limit
N/A -	Not Applicable
MQL -	Method Quantization Limit or lowest calibrated detection limit
SQL -	Sample Quantization Limit or the Method Detection Limit corrected for sample specific variances (i.e., percent moisture)
D -	The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
J -	Identifies that the target analyte was positively identified below the MQL and above the SQL
	Samples highlighted in this color are above the Louisiana Soil Screening Level

**Table 3-3. Analytical Results for Metals for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	Duplicate 1 DC-SS-4020-12 (0-6")	DC-SS-3728-17 (0-6")	DC-SS-3728-17 (0-6") MS/MSD	DC-SS-3728-18 (0-6")	DC-SS-4034-19 (0-6")
Date Sampled:	N/A	6/9/04	6/10/04	6/10/04	6/10/04	6/11/04
Resident Name:	N/A	E.C. Hayes Exceptional School	Eatline Hopkins	Eatline Hopkins	Eatline Hopkins	Phillip Sweezer
Resident Address:	N/A	4020 Aaron St.	3728 Bethel St.	3728 Bethel St.	3728 Bethel St.	4034 Clinton Dr.
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.730'	31°16.974'	31°16.974'	31°16.974'	31°16.744'
Longitude:	N/A	092°25.707'	092°26.049'	092°26.049'	092°26.052'	092°25.627'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	Metals	Metals	Metals	Metals	Metals
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I	Phase I	Phase I
Units:	mg/kg					
Arsenic	12	2.06	0.967	BRL	1.54	2.12
Cadmium	3.9	BRL	BRL	BRL	BRL	BRL
Chromium	N/A	5.88	2.23	BRL	1.91	2.5
Copper	310	12.6	9.01	BRL	5.64	11.2
Lead	400	19.3	26	BRL	11.4	10.3
Mercury	2.3	0.0295 J	0.0245 J	BRL	BRL	BRL
Selenium	39	BRL	BRL	BRL	BRL	BRL
Silver	39	BRL	BRL	BRL	BRL	BRL

**Table 3-3. Analytical Results for Metals for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SS-4034-20 (0-6")	DC-DS-CC-29 (0-6")	DC-DS-CC-29 (30-36")	DC-DS-CC-30 (0-6")	DC-DS-CC-30 (30-36")
Date Sampled:	N/A	6/11/04	6/13/04	6/13/04	6/13/04	6/13/04
Resident Name:	N/A	Philip Sweezer	Isiah Orange	Isiah Orange	Isiah Orange	Isiah Orange
Resident Address:	N/A	4034 Clinton Dr.	Former Chatlin Lake Canal	Former Chatlin Lake Canal	Former Chatlin Lake Canal	Former Chatlin Lake Canal
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(30 - 36")	(0 - 6")	(30 - 36")
Latitude:	N/A	31°16.745'	31°17.131'	31°17.131'	31°17.132'	31°17.132'
Longitude:	N/A	092°25.627'	092°25.883'	092°25.883'	092°25.681'	092°25.881'
Sample Matrix:	N/A	Soil Sediment	Ditch Sediment	Ditch Sediment	Ditch Sediment	Ditch Sediment
Sample Collected By:	N/A	3TM	3TM	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	Metals	Metals	Metals	Metals	Metals
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I	Phase I	Phase I
Units:	mg/kg					
Arsenic	12	2.28	BRL	BRL	BRL	BRL
Cadmium	3.9	BRL	BRL	BRL	BRL	BRL
Chromium	N/A	3.4	BRL	BRL	BRL	BRL
Copper	310	9.3	BRL	BRL	BRL	BRL
Lead	400	12.1	BRL	BRL	BRL	BRL
Mercury	2.3	0.0694	BRL	BRL	BRL	BRL
Selenium	39	BRL	BRL	BRL	BRL	BRL
Silver	39	BRL	BRL	BRL	BRL	BRL

**Table 3-3. Analytical Results for Metals for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-CC-31 (0-6")	DC-DS-HB-32 (0-6")	DC-DS-HB-33 (0-6")	DC-DS-HB-34 (0-6")	DC-SW-HB-35	DC-DS-CC-38 (0-6")
Date Sampled:	N/A	6/13/04	6/13/04	6/13/04	6/13/04	6/13/04	6/14/04
Resident Name:	N/A	Isiah Orange	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Unknown
Resident Address:	N/A	Former Chatlin Lake Canal	Hynson Bayou	Hynson Bayou	Hynson Bayou	Hynson Bayou	Former Chatlin Lake Canal
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°17.133'	31°16.892'	31°16.897'	31°16.895'	31°16.893'	31°16.979'
Longitude:	N/A	092°25.881'	092°28.131'	092°26.129'	092°26.129'	092°26.131'	092°25.634'
Sample Matrix:	N/A	Ditch Sediment	Ditch Sediment	Ditch Sediment	Ditch Sediment	Water	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	Metals	Metals	Metals	Metals	Metals	Metals
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I	Phase I	Phase I	Phase I
Units:	mg/kg						
Arsenic	12	BRL	BRL	BRL	BRL	0.005	2.46
Cadmium	3.6	BRL	BRL	BRL	BRL	BRL	BRL
Chromium	N/A	BRL	BRL	BRL	BRL	BRL	5.95
Copper	310	BRL	BRL	BRL	BRL	0.007 J	13.9
Lead	400	BRL	BRL	BRL	BRL	0.017	15.6
Mercury	2.3	BRL	BRL	BRL	BRL	BRL	BRL
Selenium	39	BRL	BRL	BRL	BRL	BRL	BRL
Silver	39	BRL	BRL	BRL	BRL	BRL	BRL

**Table 3-3. Analytical Results for Metals for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-CC-39 (0-6")	DC-DS-CC-40 (0-6")	DC-DS-DD-41 (0-6")	DC-DS-DD-42 (0-6")	DC-DS-DD-43 (0-6")
Date Sampled:	N/A	6/14/04	6/14/04	6/14/04	6/14/04	6/14/04
Resident Name:	N/A	Unknown	Unknown	Unknown	Unknown	Unknown
Resident Address:	N/A	Former challin Lake Canal	Former challin Lake Canal	Durawood Drainage	Durawood Drainage	Durawood Drainage
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.979'	31°16.979'	31°16.944'	31°16.944'	31°16.944'
Longitude:	N/A	092°25.634'	092°25.634'	092°26.078'	092°26.078'	092°26.078'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	Metals	Metals	Metals	Metals	Metals
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I	Phase I	Phase I
Units:	mg/kg					
Arsenic	12	2.46	4.29	2.12	0.647	2.19
Cadmium	3.9	BRL	BRL	BRL	BRL	BRL
Chromium	N/A	5.75	6.48	5.1	5.47	3.85
Copper	310	12.9	16.4	11.6	13.8	11
Lead	400	16.9	24.5	17	23.4	10.6
Mercury	2.3	BRL	BRL	BRL	0.0297 J	BRL
Selenium	39	BRL	BRL	BRL	BRL	BRL
Silver	39	BRL	BRL	BRL	BRL	BRL

**Table 3-3. Analytical Results for Metals for Soil / Sediment Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-DS-DD-44 (0-6")	DC-DS-DD-45 (0-6")	DC-DS-DD-46 (0-6")
Date Sampled:	N/A	6/14/04	6/14/04	6/14/04
Resident Name:	N/A	Unknown	Unknown	Unknown
Resident Address:	N/A	Durawood Drainage	Durawood Drainage	Durawood Drainage
Collection Depth:	N/A	(0 - 6")	(0 - 6")	(0 - 6")
Latitude:	N/A	31°16.944'	31°16.944'	31°16.944'
Longitude:	N/A	092°26.078'	092°26.078'	092°26.078'
Sample Matrix:	N/A	Soil Sediment	Soil Sediment	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM
Sampling Method:	N/A	Hand Auger	Hand Auger	Hand Auger
Analytical Method:	N/A	Metals	Metals	Metals
Analytical Laboratory:	N/A	Xenco	Xenco	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I
Units:	mg/kg			
Arsenic	12	2.7	5.38	3.42
Cadmium	3.9	BRL	BRL	BRL
Chromium	N/A	4.94	5.79	5
Copper	310	25.6	15.3	8.92
Lead	400	20.7	18.8	11.3
Mercury	2.3	BRL	0.0441 J	0.0280 J
Selenium	39	BRL	BRL	BRL
Silver	39	BRL	BRL	BRL

Legend 3:	
Sample ID -	Identification number assigned to the sample
Date Sampled -	Date the sample was collected
Resident Name -	Name of current or former resident
Resident Address -	Address where the sample was collected
Collection Depth -	Depth interval at which the sample was collected
Latitude -	Latitude of the sample location recorded from GPS unit
Longitude -	Longitude of the sample location recorded from GPS unit
Sample Matrix -	Sample composition (i.e., Indoor Dust, Ambient Air)
Sample Collected By -	Firm which collected the sample
Sampling Method -	Method, Standard, or Device by which the sample was collected
Analytical Method -	Method used to analyze the sample
Analytical Laboratory -	Laboratory where the sample was analyzed
Field Work Phase -	Project Phase during which the sample was collected
Units -	Units of measurement used to report analysis results
mg/kg -	Miligram per kilogram
BRL -	Below Reporting Limit or less than the laboratory reporting limit
N/A -	Not Applicable
MQL -	Method Quantization Limit or lowest calibrated detection limit
SQL -	Sample Quantization Limit or the Method Detection Limit corrected for sample specific variances (i.e., percent moisture)
J -	Identifies that the target analyte was positively identified below the MQL and above the SQL

**Table 3-4. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Surface Water Sample
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SW-HB-35
Date Sampled:	N/A	6/13/04
Resident Name:	N/A	Not Applicable
Resident Address:	N/A	Hynson Bayou
Collection Depth:	N/A	(0 - 6")
Latitude:	N/A	31°16.893'
Longitude:	N/A	092°26.131
Sample Matrix:	N/A	Water
Sample Collected By:	N/A	3TM
Sampling Method:	N/A	Hand Auger
Analytical Method:	N/A	8260
Analytical Laboratory:	N/A	Xenco
Field Work Phase:	N/A	Phase I
Units:	mg/kg or ppm	mg/kg or ppm
Benzene	1.5	BRL
Bromobenzene	N/A	BRL
Bromochloromethane	N/A	BRL
Bromodichloromethane	N/A	BRL
Bromoform	N/A	BRL
Bromomethane	0.43	BRL
MTBE	650	0.002 J
tert-Butylbenzene	N/A	BRL
sec-Butylbenzene	N/A	BRL
n-Butylbenzene	N/A	BRL
Carbon Tetrachloride	0.18	BRL
Chlorobenzene	17	BRL
Chloroethane	4.1	BRL
Chloroform	0.044	BRL
Chloromethane	3.5	BRL
2-Chlorotoluene	N/A	BRL
4-Chlorotoluene	N/A	BRL
p-Cymene (p-Isopropyltoluene)	N/A	BRL
1,2-Dibromo-3-Chloropropane	0.18	BRL
Dibromochloromethane	N/A	BRL
Dibromomethane	N/A	BRL
1,2-Dichlorobenzene	99	BRL
1,3-Dichlorobenzene	2.1	BRL
1,4-Dichlorobenzene	6.7	BRL
Dichlorodifluoromethane	N/A	BRL
1,2-Dichloroethane	0.82	BRL
1,1-Dichloroethane	66	BRL
trans-1,2-Dichloroethene	6.9	BRL
cis-1,2-Dichloroethene	4.8	BRL
1,1-Dichloroethene	13	BRL
2,2-Dichloropropane	N/A	BRL

**Table 3-4. Volatile Organic Compound (VOC) Analytical Results
by EPA Method 8260 for Surface Water Sample
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SW-HB-35
Date Sampled:	N/A	6/13/04
Resident Name:	N/A	Not Applicable
Resident Address:	N/A	Hynson Bayou
Collection Depth:	N/A	(0 - 6")
Latitude:	N/A	31°16.893'
Longitude:	N/A	092°26.131
Sample Matrix:	N/A	Water
Sample Collected By:	N/A	3TM
Sampling Method:	N/A	Hand Auger
Analytical Method:	N/A	8260
Analytical Laboratory:	N/A	Xenco
Field Work Phase:	N/A	Phase I
Units:	mg/kg or ppm	mg/kg or ppm
1,3-Dichloropropane	N/A	BRL
trans-1,3-Dichloropropene	N/A	BRL
1,1-Dichloropropene	N/A	BRL
cis-1,3-Dichloropropene	N/A	BRL
Ethylbenzene	160	BRL
Hexachlorobutadiene	0.82	BRL
Isopropylbenzene	N/A	BRL
Methylene Chloride	19	0.001 JB
Naphthalene	6.2	0.006 J
n-Propylbenzene	N/A	BRL
Styrene	500	BRL
1,1,1,2-Tetrachloroethane	2.7	BRL
1,1,2,2-Tetrachloroethane	0.81	BRL
Tetrachloroethylene	8.3	BRL
Toluene	68	BRL
1,2,4-Trichlorobenzene	66	BRL
1,2,3-Trichlorobenzene	N/A	BRL
1,1,2-Trichloroethane	1.9	BRL
1,1,1-Trichloroethane	82	BRL
Trichloroethene	0.1	BRL
Trichlorofluoromethane	38	BRL
1,2,3-Trichloropropane	N/A	BRL
1,2,4-Trimethylbenzene	N/A	BRL
1,3,5-Trimethylbenzene	N/A	BRL
Vinyl Chloride	N/A	BRL
o-Xylene	N/A	BRL
m,p-Xylenes	N/A	BRL

Legend 4:	
Sample ID -	Identification number assigned to the sample
Date Sampled -	Date the sample was collected
Resident Name -	Name of current or former resident
Resident Address -	Address where the sample was collected
Collection Depth -	Depth interval at which the sample was collected
Latitude -	Latitude of the sample location recorded from GPS unit
Longitude -	Longitude of the sample location recorded from GPS unit
Sample Matrix -	Sample composition (i.e., Indoor Dust, Ambient Air)
Sample Collected By -	Firm which collected the sample
Sampling Method -	Method, Standard, or Device by which the sample was collected
Analytical Method -	Method used to analyze the sample
Analytical Laboratory -	Laboratory where the sample was analyzed
Field Work Phase -	Project Phase during which the sample was collected
Units -	Units of measurement used to report analysis results
mg/kg -	Milligram per kilogram
BRL -	Below Reporting Limit or less than the laboratory reporting limit
N/A -	Not Applicable
MQL -	Method Quantization Limit or lowest calibrated detection limit
SQL -	Sample Quantization Limit or the Method Detection Limit corrected for sample specific variances (i.e., percent moisture)
B -	A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
J -	Identifies that the target analyte was positively identified below the MQL and above the SQL.

**Table 3-5. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Surface Water Sample
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SW-HB-35
Date Sampled:	N/A	6/13/04
Resident Name:	N/A	Not Applicable
Resident Address:	N/A	Hynson Bayou
Collection depth:	N/A	(0 - 6")
Latitude:	N/A	31°16.893'
Longitude:	N/A	092°26.131
Sample Matrix:	N/A	Surface Water
Sample Collected By:	N/A	3TM
Sampling Method:	N/A	Hand Auger
Analytical Method:	N/A	8270
Analytical Laboratory:	N/A	Xenco
Field Work Phase:	N/A	Phase I
Units:	mg/kg	
1,2,4-Trichlorobenzene	66	BRL
1,2-Dichlorobenzene	99	BRL
1,3-Dichlorobenzene	2.1	BRL
1,4-Dichlorobenzene	6.7	BRL
2,4,5-Trichlorophenol	530	BRL
2,4,6-Trichlorophenol	40	BRL
2,4-Dichlorophenol	16	BRL
2,4-Dimethylphenol	93	BRL
2,4-Dinitrophenol	7.1	BRL
2,4-Dinitrotoluene	8.9	BRL
2,6-Dinitrotoluene	4.3	BRL
2-Chloronaphthalene	N/A	BRL
2-Chlorophenol	N/A	BRL
2-Methylnaphthalene	22	0.002 J
2-Methylphenol	N/A	BRL
2-Nitrophenol	N/A	BRL
2-Nitroaniline	1.7	BRL
3&4-Methylphenol	N/A	BRL
3,3-Dichlorobenzidine	0.97	BRL
3-Nitroaniline	13	BRL
4,6-dinitro-2-methyl phenol	N/A	BRL
4-Bromophenyl-phenylether	N/A	BRL
4-chloro-3-methylphenol	N/A	BRL
4-Chloroaniline	N/A	BRL
4-Chlorophenyl Phenyl Ether	N/A	BRL
4-Nitroaniline	10	BRL
4-Nitrophenol	32	BRL
Acenaphthene	370	BRL
Acenaphthylene	350	BRL
Aniline	2.4	BRL
Anthracene	2200	BRL

**Table 3-5. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Surface Water Sample
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SW-HB-35
Date Sampled:	N/A	6/13/04
Resident Name:	N/A	Not Applicable
Resident Address:	N/A	Hynson Bayou
Collection depth:	N/A	(0 - 6")
Latitude:	N/A	31°16.893'
Longitude:	N/A	092°26.131'
Sample Matrix:	N/A	Surface Water
Sample Collected By:	N/A	3TM
Sampling Method:	N/A	Hand Auger
Analytical Method:	N/A	8270
Analytical Laboratory:	N/A	Xenco
Field Work Phase:	N/A	Phase I
Units:	mg/kg	
Benzo(a)anthracene	0.62	0.001 J
Benzo(a)pyrene	0.33	BRL
Benzo(b)fluoranthene	0.62	BRL
Benzo(b)fluoranthene	N/A	SC/NT
Benzo(e)pyrene	N/A	SC/NT
Benzo(ghi)perylene	N/A	BRL
Benzo(k)fluoranthene	0.62	BRL
Benzoic Acid	N/A	BRL
Benzyl Butyl Phthalate	N/A	BRL
bis(2-chloroethoxy)methane	N/A	BRL
bis(2-chloroethyl)ether	0.33	BRL
bis(2-chloroisopropyl)ether	4.9	BRL
bis(2-ethylhexyl) phthalate	35	BRL
Carbazole	N/A	SC/NT
Chrysene	62	0.001 J
Dibenzo(a,h)Anthracene	0.33	BRL
Dibenzofuran	29	BRL
Diethyl Phthalate	670	BRL
Dimethyl Phthalate	1500	BRL
di-n-butyl Phthalate	N/A	BRL
di-n-Octyl Phthalate	N/A	BRL
Fluoranthene	220	0.007
Fluorene	280	BRL
Hexachlorobenzene	0.34	BRL
Hexachlorobutadiene	0.82	BRL
Hexachlorocyclopentadiene	1.4	BRL
Hexachloroethane	5.2	BRL
Indeno (1,2,3-cd)pyrene	0.62	BRL
Isophorone	340	BRL
Naphthalene	6.2	BRL
Nitrobenzene	2.2	BRL

**Table 3-5. Semivolatile Organic Compound (SVOC) Analytical Results
by EPA Method 8270 for Surface Water Sample
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SW-HB-35
Date Sampled:	N/A	6/13/04
Resident Name:	N/A	Not Applicable
Resident Address:	N/A	Hynson Bayou
Collection depth:	N/A	(0 - 6")
Latitude:	N/A	31°16.893'
Longitude:	N/A	092°26.131'
Sample Matrix:	N/A	Surface Water
Sample Collected By:	N/A	3TM
Sampling Method:	N/A	Hand Auger
Analytical Method:	N/A	8270
Analytical Laboratory:	N/A	Xenco
Field Work Phase:	N/A	Phase I
Units:	mg/kg	
N-Nitrosodi-n-Propylamine	0.33	BRL
N-Nitrosodiphenylamine	90	BRL
Pentachlorophenol	2.8	BRL
Perylene	N/A	SC/NT
Phenanthrene	2100	0.002 J
Phenol	1300	BRL
Pristane	N/A	BRL
Pyrene	230	0.004 J
Pyridine	N/A	BRL
Total SVOC's	N/A	0.02

Legend 5:	
Sample ID -	Identification number assigned to the sample
Date Sampled -	Date the sample was collected
Resident Name -	Name of current or former resident
Resident Address -	Address where the sample was collected
Collection Depth -	Depth interval at which the sample was collected
Latitude -	Latitude of the sample location recorded from GPS unit
Longitude -	Longitude of the sample location recorded from GPS unit
Sample Matrix -	Sample composition (i.e., Indoor Dust, Ambient Air)
Sample Collected By -	Firm which collected the sample
Sampling Method -	Method, Standard, or Device by which the sample was collected
Analytical Method -	Method used to analyze the sample
Analytical Laboratory -	Laboratory where the sample was analyzed
Field Work Phase -	Project Phase during which the sample was collected
Units -	Units of measurement used to report analysis results
mg/kg -	Milligram per kilogram
BRL -	Below Reporting Limit or less than the laboratory reporting limit
SC/NT -	Sample collected but not tested
N/A -	Not Applicable
MQL -	Method Quantization Limit or lowest calibrated detection limit
SQL -	Sample Quantization Limit or the Method Detection Limit corrected for sample specific variances (i.e., percent moisture)
J -	Identifies that the target analyte was positively identified below the MQL and above the SQL

**Table 3-6. Analytical Results for Metals for Surface Water Sample
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-SW-HB-35
Date Sampled:	N/A	6/13/04
Resident Name:	N/A	Not Applicable
Resident Address:	N/A	Hynson Bayou
Collection Depth:	N/A	(0 - 6")
Latitude:	N/A	31°16.893'
Longitude:	N/A	092°26.131
Sample Matrix:	N/A	Water
Sample Collected By:	N/A	3TM
Sampling Method:	N/A	Hand Auger
Analytical Method:	N/A	Metals
Analytical Laboratory:	N/A	Xenco
Field Work Phase:	N/A	Phase I
Units:	mg/kg	
Arsenic	12	0.005
Cadmium	3.9	BRL
Chromium	N/A	BRL
Copper	310	0.007 J
Lead	400	0.017
Mercury	2.3	BRL
Selenium	39	BRL
Silver	39	BRL

Legend:	
Sample ID -	Identification number assigned to the sample
Date Sampled -	Date the sample was collected
Resident Name -	Name of current or former resident
Resident Address -	Address where the sample was collected
Collection Depth -	Depth interval at which the sample was collected
Latitude -	Latitude of the sample location recorded from GPS unit
Longitude -	Longitude of the sample location recorded from GPS unit
Sample Matrix -	Sample composition (i.e., Indoor Dust, Ambient Air)
Sample Collected By -	Firm which collected the sample
Sampling Method -	Method, Standard, or Device by which the sample was collected
Analytical Method -	Method used to analyze the sample
Analytical Laboratory -	Laboratory where the sample was analyzed
Field Work Phase -	Project Phase during which the sample was collected
Units -	Units of measurement used to report analysis results
mg/kg -	Milligram per kilogram
BRL -	Below Reporting Limit or less than the laboratory reporting limit
SC/NT -	Sample collected but not tested
N/A -	Not Applicable
MQL -	Method Quantization Limit or lowest calibrated detection limit
SQL -	Sample Quantization Limit or the Method Detection Limit corrected for sample specific variances (i.e., percent moisture)
J -	Identifies that the target analyte was positively identified below the MQL and above the SQL

**Table 3-7. Polycyclic Aromatic Hydrocarbon (PAH) Analytical Results
by Modified EPA Method 8270 for Indoor Dust Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-ID-3738-01	DC-ID-3706-02	DC-ID-3721-03	DC-ID-3715-04	DC-ID-3622-05
Date Sampled:	N/A	6/7/04	6/7/04	6/7/04	8/8/04	6/8/04
Resident Name:	N/A	Mary Guillot	Florence Holmes	Lucenda Johnson	Janet Bruins	Janet Bruins
Resident Address:	N/A	3730 5 th St.	3708 Bloch St.	3721 Church St.	3715 Orangefield Dr.	3622 Orangefield Dr.
Collection depth:	N/A	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Latitude:	N/A	31°17.550'	31°16.540'	31°16.502'	31°16.790'	31°16.824'
Longitude:	N/A	092°25.307'	092°26.259'	092°26.300'	092°26.027'	092°26.067'
Sample Matrix:	N/A	Indoor Dust	Indoor Dust	Indoor Dust	Indoor Dust	Indoor Dust
Sample Collected By:	N/A	3TM	3TM	3TM	3TM	3TM
Sampling Method:	N/A	HVS-3	HVS-3	HVS-3	HVS-3	HVS-3
Analytical Method:	N/A	Mod. 8270	Mod. 8270	Mod. 8270	Mod. 8270	Mod. 8270
Analytical Laboratory:	N/A	AXYS	AXYS	AXYS	AXYS	AXYS
Field Work Phase:	N/A	Phase I	Phase I	Phase I	Phase I	Phase I
Units:	mg/kg					
Acenaphthene	370	0.00537	0.0372	0.0257	0.0247	0.137
Acenaphthylene	350	0.00394	0.018	0.0299	0.0238	0.122
Anthracene	2200	0.00704	0.0265	0.0599	0.0341	0.167
Benzo(a)anthracene	0.62	0.04	0.0836 K	0.175	0.187	0.62
Benzo(e)pyrene	0.33	0.0515	0.0892	0.19	0.214	0.744
Benzo(b)fluoranthene	N/A	0.0722	0.339	0.438	0.58	1.3
Benzo(e)pyrene	N/A	0.179	0.256	0.289	0.725	1.16
Benzo(ghi)perylene	N/A	0.195	0.422	0.347	1.42	0.942
Benzo(k)fluoranthene	0.62	0.0359	0.132	0.212	0.341	0.94
Carbazole	N/A	0.000863	0.0133	0.00825	0.0116	0.0686
Chrysene	62	0.116	0.893 K	0.487	0.416	1.48
Dibenzo(a,h)Anthracene	0.33	0.0226	0.0247 K	0.0461	0.063	0.224
Dibenzofuran	29	0.00559 K	0.0497	0.0593	0.0453	0.255
Fluoranthene	220	0.113	0.349	0.865	0.46	1.88
Fluorene	280	0.00509	0.044	0.0363	0.0395	0.195
Indeno(1,2,3-cd)pyrene	0.62	0.0478	0.14	0.238	0.557	0.808
Naphthalene	6.2	0.0179	0.0833	0.187	0.0645	0.367
Perylene	N/A	0.015	0.0276 K	0.0572	0.0664	0.221
Phenanthrene	2100	0.12	0.386	0.63	0.399	2.08

**Table 3-7. Polycyclic Aromatic Hydrocarbon (PAH) Analytical Results
by Modified EPA Method 8270 for Indoor Dust Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-ID-3730-01	DC-ID-3708-02	DC-ID-3721-03	DC-ID-3715-04	DC-ID-3622-05
Date Sampled:	N/A	6/7/04	6/7/04	6/7/04	6/8/04	6/8/04
Resident Name:	N/A	Mary Guillot	Florence Holmes	Lucenda Johnson	Janet Bruins	Janet Bruins
Resident Address:	N/A	3730 5 th St.	3708 Bloch St.	3721 Church St.	3715 Orangefield Dr.	3622 Orangefield Dr.
Collection depth:	N/A	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Latitude:	N/A	31°17.550'	31°16.540'	31°16.502'	31°16.796'	31°16.624'
Longitude:	N/A	092°26.307'	092°26.269'	092°26.300'	092°26.027'	092°26.087'
Sample Matrix:	N/A	Indoor Dust	Indoor Dust	Indoor Dust	Indoor Dust	Indoor Dust
Sample Collected By:	N/A	STM	STM	STM	STM	STM
Sampling Method:	N/A	HVS-3	HVS-3	HVS-3	HVS-3	HVS-3
Analytical Method:	N/A	Mod. 8270	Mod. 8270	Mod. 8270	Mod. 8270	Mod. 8270
Analytical Laboratory:	N/A	AXYS	AXYS	AXYS	AXYS	AXYS
Field Work Phase:	N/A	Phase I	Phase I	Phase I	Phase I	Phase I
Units:	mg/kg					
Pristane	N/A	0.0328	1.03	0.147	0.378	0.223
Pyrene	230	0.133	0.313	0.699	0.406	1.41
Total PAH's		1.219593	4.757	5.22665	6.4559	16.3436

**Table 3-7. Polycyclic Aromatic Hydrocarbon (PAH) Analytical Results
by Modified EPA Method 8270 for Indoor Dust Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-ID-4020-06	DC-ID-2727-07	DC-ID-2627-08	DC-ID-3728-09	DC-ID-4034-10
Date Sampled:	N/A	6/9/04	6/9/04	6/10/04	6/10/04	6/11/04
Resident Name:	N/A	E.C. Hayes Exceptional School	Peabody Magnet High School	New Scott OLLY Baptist Church	Eatline Hopkins	Phillip Sweezer
Resident Address:	N/A	4020 Aaron St.	2727 Jones St.	2627 Willow Glen Rd.	3728 Bethel St.	4034 Clinton Dr.
Collection depth:	N/A	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Latitude:	N/A	31°16.714'	31°17.619'	31°16.854'	31°16.979'	31°16.746'
Longitude:	N/A	092°26.712'	092°26.173'	092°25.866'	092°26.050'	092°26.621'
Sample Matrix:	N/A	Indoor Dust	Indoor Dust	Indoor Dust	Indoor Dust	Indoor Dust
Sample Collected By:	N/A	3TM	3TM	3TM	3TM	3TM
Sampling Method:	N/A	HVS-3	HVS-3	HVS-3	HVS-3	HVS-3
Analytical Method:	N/A	Mod. 8270	Mod. 8270	Mod. 8270	Mod. 8270	Mod. 8270
Analytical Laboratory:	N/A	AXYS	AXYS	AXYS	AXYS	AXYS
Field Work Phase:	N/A	Phase I	Phase I	Phase I	Phase I	Phase I
Units:	mg/kg					
Acenaphthene	370	5.94	0.0654	0.0652	SC/NT	0.0412
Acenaphthylene	350	0.225	0.0656	0.00786	SC/NT	0.0129
Anthracene	2200	18.3	0.12	0.026	SC/NT	0.0482
Benzo(a)anthracene	0.62	53.4	0.784	0.0607 K	SC/NT	0.0964
Benzo(a)pyrene	0.33	38.9	0.753	0.0634	SC/NT	0.0669
Benzo(b)fluoranthene	N/A	39.7	1.11	0.101	SC/NT	0.24
Benzo(e)pyrene	N/A	27.4	0.92	0.1	SC/NT	0.187
Benzo(ghi)perylene	N/A	19.9	0.748	0.151	SC/NT	0.22
Benzo(k)fluoranthene	0.62	36.8	0.803	0.111	SC/NT	0.141
Carbazole	N/A	4.43	0.0416	0.0121	SC/NT	0.0176
Chrysene	62	56.1	1.23	0.116	SC/NT	0.372
Dibenzo(a,h)Anthracene	0.33	5.6	0.195	0.0158 K	SC/NT	0.0279
Dibenzofuran	29	4.74	0.106	0.105	SC/NT	0.058
Fluoranthene	220	152	1.68	0.236	SC/NT	0.6
Fluorene	280	7.36	0.0982	0.124	SC/NT	0.0747
Indeno (1,2,3-cd)pyrene	0.62	24.7	0.726	0.111	SC/NT	0.142
Naphthalene	6.2	1.18	0.105	0.248	SC/NT	0.119
Perylene	N/A	10.9	0.27	0.0175	SC/NT	0.0279
Phenanthrene	2100	94.2	1.09	0.474	SC/NT	0.67

**Table 3-7. Polycyclic Aromatic Hydrocarbon (PAH) Analytical Results
by Modified EPA Method 8270 for Indoor Dust Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-ID-4020-06	DC-ID-2727-07	DC-ID-2627-08	DC-ID-3728-09	DC-ID-4034-10
Date Sampled:	N/A	6/9/04	6/9/04	6/10/04	6/10/04	6/11/04
Resident Name:	N/A	E.C. Hayes Exceptional School	Peebody Magnet High School	New Scott OLLY Baptist Church	Eatline Hopkins	Phillip Sweezer
Resident Address:	N/A	4020 Aaron St.	2727 Jones St.	2627 Willow Glen Rd.	3726 Bethel St.	4034 Clinton Dr.
Collection depth:	N/A	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Latitude:	N/A	31°16.714'	31°17.619'	31°16.854'	31°16.979'	31°16.746'
Longitude:	N/A	092°25.712'	092°26.173'	092°25.866'	092°26.050'	092°25.621'
Sample Matrix:	N/A	Indoor Dust	Indoor Dust	Indoor Dust	Indoor Dust	Indoor Dust
Sample Collected By:	N/A	3TM	3TM	3TM	3TM	3TM
Sampling Method:	N/A	HVS-3	HVS-3	HVS-3	HVS-3	HVS-3
Analytical Method:	N/A	Mod. 8270	Mod. 8270	Mod. 8270	Mod. 8270	Mod. 8270
Analytical Laboratory:	N/A	AXYS	AXYS	AXYS	AXYS	AXYS
Field Work Phase:	N/A	Phase I	Phase I	Phase I	Phase I	Phase I
Units:	mg/kg					
Pristane	N/A	0.356	0.228	0.479	SC/NT	0.426
Pyrene	230	111	1.45	0.217	SC/NT	0.468
Total PAH's		713.131	12.569	2.86156		4.0867

**Table 3-7. Polycyclic Aromatic Hydrocarbon (PAH) Analytical Results
by Modified EPA Method 8270 for Indoor Dust Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁽¹⁾	DC-ID-3716-11	DC-ID-3615-12	DC-ID-2286-13	DC-ID-3130-14	DC-ID-831-15
Date Sampled:	N/A	6/11/04	6/12/04	6/12/04	6/12/04	6/14/04
Resident Name:	N/A	Chad Williams	Isiah Orange	Pleasant Green Baptist Church	Nita Thomas	True Vine Missionary Baptist Church
Resident Address:	N/A	3716 Milton St.	3615 Jones St.	2286 Willow Glen Rd.	3130 Wise St.	831 Broadway Ave.
Collection depth:	N/A	Not Applicable	Not Applicable	Not Applicable	Not Applicable	(0 - 6")
Latitude:	N/A	31°17.034'	31°17.311'	31°17.011'	31°17.011'	31°17.870'
Longitude:	N/A	092°25.818'	092°25.703'	092°25.786'	092°26.864'	092°26.142'
Sample Matrix:	N/A	Indoor Dust	Indoor Dust	Indoor Dust	Indoor Dust	Soil Sediment
Sample Collected By:	N/A	3TM	3TM	3TM	3TM	3TM
Sampling Method:	N/A	HVS-3	HVS-3	HVS-3	HVS-3	HVS-3
Analytical Method:	N/A	Mod. 8270	Mod. 8270	Mod. 8270	Mod. 8270	Mod. 8270
Analytical Laboratory:	N/A	AXYS	AXYS	AXYS	AXYS	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I	Phase I	Phase I
Units:	mg/kg					
Acenaphthene	370	0.125	0.0185	SC/NT	0.0335	0.0767
Acenaphthylene	350	0.159	0.00293	SC/NT	0.0334	0.0336
Anthracene	2200	0.261	0.0333	SC/NT	0.0485	0.169
Benzo(a)anthracene	0.62	1.86	0.12	SC/NT	0.204	0.27
Benzo(e)pyrene	0.33	2.03	0.139	SC/NT	0.243	0.231
Benzo(b)fluoranthene	N/A	2.56	0.198	SC/NT	0.39	0.519
Benzo(e)pyrene	N/A	1.9	0.215	SC/NT	0.301	0.409
Benzo(ghi)perylene	N/A	1.7	0.344	SC/NT	0.294	0.453
Benzo(k)fluoranthene	0.62	1.85	0.127	SC/NT	0.26	0.347
Carbazole	N/A	0.0705	0.00999	SC/NT	0.0138	0.29
Chrysene	82	3.11	0.18	SC/NT	0.468	0.769
Dibenzo(a,h)anthracene	0.33	0.425	0.0227	SC/NT	0.0597	0.0613
Dibenzofuran	29	0.215	0.037	SC/NT	0.0613	0.102
Fluoranthene	220	4.86	0.316	SC/NT	0.736	2.87
Fluorene	280	0.179	0.0209	SC/NT	0.0477	0.135
Indeno (1,2,3-cd)pyrene	0.62	1.62	0.169	SC/NT	0.262	0.318
Naphthalene	6.2	0.713	0.0338	SC/NT	0.425	0.145
Perylene	N/A	0.623	0.0462	SC/NT	0.0733	0.0722
Phenanthrene	2100	3.38	0.41	SC/NT	0.553	1.94

**Table 3-7. Polycyclic Aromatic Hydrocarbon (PAH) Analytical Results
by Modified EPA Method 8270 for Indoor Dust Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Louisiana Soil Cleanup Target Levels ⁴⁰	DC-ID-3716-11	DC-ID-3615-12	DC-ID-2286-13	DC-ID-3130-14	DC-ID-831-15
Date Sampled:	N/A	6/11/04	6/12/04	6/12/04	6/12/04	6/14/04
Resident Name:	N/A	Chad Williams	Isiah Orange	Pleasant Green Baptist Church	Nita Thomas	True Vine Missionary Baptist Church
Resident Address:	N/A	3716 Millon St.	3615 Jones St.	2286 Willow Glen Rd.	3130 Wise St.	831 Broadway Ave.
Collection depth:	N/A	Not Applicable	Not Applicable	Not Applicable	Not Applicable	(0 - 6")
Latitude:	N/A	31°17.034'	31°17.311'	31°17.011'	31°17.011'	31°17.870'
Longitude:	N/A	092°25.816'	092°25.703'	092°25.766'	092°26.864'	092°26.142'
Sample Matrix:	N/A	Indoor Dust	Indoor Dust	Indoor Dust	Indoor Dust	Soil Sediment
Sample Collected By:	N/A	STM	STM	STM	STM	STM
Sampling Method:	N/A	HVS-3	HVS-3	HVS-3	HVS-3	HVS-3
Analytical Method:	N/A	Mod. 8270	Mod. 8270	Mod. 8270	Mod. 8270	Mod. 8270
Analytical Laboratory:	N/A	AXYS	AXYS	AXYS	AXYS	Xenco
Field Work Phase:	N/A	Phase I	Phase I	Phase I	Phase I	Phase I
Units:	mg/kg					
Fluorene	N/A	0.175	0.0604	SC/NT	0.131	0.28
Pyrene	230	3.83	0.332	SC/NT	0.552	1.58
Total PAH's		31.6655	2.83572		5.1902	11.0808

Legend:	
Sample ID -	Identification number assigned to the sample
Date Sampled -	Date the sample was collected
Resident Name -	Name of current or former resident
Resident Address -	Address where the sample was collected
Collection Depth -	Depth interval at which the sample was collected
Latitude -	Latitude of the sample location recorded from GPS unit
Longitude -	Longitude of the sample location recorded from GPS unit
Sample Matrix -	Sample composition (i.e., Indoor Dust, Ambient Air)
Sample Collected By -	Firm which collected the sample
Sampling Method -	Method, Standard, or Device by which the sample was collected
Analytical Method -	Method used to analyze the sample
Analytical Laboratory -	Laboratory where the sample was analyzed
Field Work Phase -	Project Phase during which the sample was collected
Units -	Units of measurement used to report analysis results
mg/kg -	Milligram per kilogram
BRL -	Below Reporting Limit or less than the laboratory reporting limit
SC/NT -	Sample collected but not tested
N/A -	Not Applicable
K -	Peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration
	Samples highlighted in this color are above the Louisiana Soil Screening Level

**Table 3-8. Dioxin/Furan Analytical Results
by EPA Method 1613B for Indoor Dust Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	Region VI Soil Cleanup Target Levels ⁽¹⁾	DC-ID-3730-01	DC-ID-3708-02	DC-ID-3721-03
Date Sampled:	Not Applicable	6/7/04	6/7/04	6/7/04
Resident Name:	Not Applicable	Mary Guillot	Florence Holmes	Lucenda Johnson
Resident Address:	Not Applicable	3730 5 th St.	3708 Bloch St.	3721 Church St.
Collection depth:	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Latitude:	Not Applicable	31°17.550'	31°16.540'	31°16.502'
Longitude:	Not Applicable	092°25.307'	092°26.259'	092°26.300'
Sample Matrix:	Not Applicable	Indoor Dust	Indoor Dust	Indoor Dust
Sample Collected By:	Not Applicable	3TM	3TM	3TM
Sampling Method:	Not Applicable	HVS-3	HVS-3	HVS-3
Analytical Method:	Not Applicable	1613B	1613B	1613B
Analytical Laboratory:	Not Applicable	AXYS	AXYS	AXYS
Field Work Phase:	Not Applicable	Phase I	Phase I	Phase I
Units:	pg/g or ppt	pg/g or ppt	pg/g or ppt	pg/g or ppt
2,3,7,8-TCDD	3.9	0.579	3	4.15
1,2,3,7,8-PeCDD	3.9	2.87	21.7	19.5
1,2,3,4,7,8-HxCDD	39	21.8	56.4	33.7
1,2,3,6,7,8-HxCDD	39	858	283	408
1,2,3,7,8,9-HxCDD	39	177	218	155
1,2,3,4,6,7,8-HpCDD	390	27300	4470	7460
OCDD	39000	300000	21700	50900
2,3,7,8-TCDF	N/A	6.5	41.1	34.6
2,3,7,8-TCDF(C)	39	1.85	17.6	15.5
1,2,3,7,8-PeCDF	78	1.62	24.1	14
2,3,4,7,8-PeCDF	7.8	2.33	54.6	23.1
1,2,3,4,7,8-HxCDF	39	68.7	200	89.9
1,2,3,6,7,8-HxCDF	39	13.3	106	57.4
1,2,3,7,8,9-HxCDF	39	0.755	5.73	3.16
2,3,4,6,7,8-HxCDF	39	8.68	91.8	41
1,2,3,4,6,7,8-HpCDF	390	4580	1300	1520
1,2,3,4,7,8,9-HpCDF	390	434	174	131
OCDF	39000	27200	1830	2300
Total 2,3,7,8s	N/A	361000	30600	63200
Total Tetra-Dioxins	N/A	53.9	57.5	73.2
Total Penta-Dioxins	N/A	70.1	205	184
Total Hexa-Dioxins	N/A	2960	2180	1950
Total Hepta-Dioxins	N/A	52600	8950	16000
Total Tetra-Furans	N/A	36.1	196	154
Total Penta-Furans	N/A	144	523	335
Total Hexa-Furans	N/A	8200	2500	2410
Total Hepta-Furans	N/A	35000	3720	6450
TOTAL DIOXINS/FURANS	N/A	426000	41900	80800
Dioxin TEQs				
DX TEQ (ND = 1/2)	3.9	475	213	213
DX TEQ (ND = 0)	3.9	475	213	213

**Table 3-8. Dioxin/Furan Analytical Results
by EPA Method 1613B for Indoor Dust Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	DC-ID-3715-04	DC-ID-3622-05	DC-ID-4020-06	DC-ID-2727-07
Date Sampled:	6/8/04	6/8/04	6/9/04	6/9/04
Resident Name:	Janet Bruins	Janet Bruins	E.C. Hayes Exceptional School	Peabody Magnet High School
Resident Address:	3715 Orangefield Dr.	3622 Orangefield Dr.	4020 Aaron St.	2727 Jones St.
Collection depth:	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Latitude:	31°16.790'	31°16.824'	31°16.714'	31°17.619'
Longitude:	092°26.027'	092°26.087'	092°25.712'	092°26.173'
Sample Matrix:	Indoor Dust	Indoor Dust	Indoor Dust	Indoor Dust
Sample Collected By:	3TM	3TM	3TM	3TM
Sampling Method:	HVS-3	HVS-3	HVS-3	HVS-3
Analytical Method:	1613B	1613B	1613B	1613B
Analytical Laboratory:	AXYS	AXYS	AXYS	AXYS
Field Work Phase:	Phase I	Phase I	Phase I	Phase I
Units:	pg/g or ppt	pg/g or ppt	pg/g or ppt	pg/g or ppt
2,3,7,8-TCDD	5.11	29	7.56	147
1,2,3,7,8-PeCDD	3.82	37.1	15.1	45
1,2,3,4,7,8-HxCDD	5.21	43.7	18.5	8.02
1,2,3,6,7,8-HxCDD	25.1	595	222	32.7
1,2,3,7,8,9-HxCDD	18.8	159	76.9	49.1
1,2,3,4,6,7,8-HpCDD	826	9930	4480	646
OCDD	8340	88700	28100	6110
2,3,7,8-TCDF	6.38	106	37.8	39.8
2,3,7,8-TCDF(C)	2.55	43.8	20.9	24.3
1,2,3,7,8-PeCDF	2.3	35.3	15.8	10.8
2,3,4,7,8-PeCDF	4.04	53.4	25	19.7
1,2,3,4,7,8-HxCDF	10.8	121	44.8	17.7
1,2,3,6,7,8-HxCDF	7.22	75	34.4	9.43
1,2,3,7,8,9-HxCDF	0.82	3.8	1.19	0.595
2,3,4,6,7,8-HxCDF	10.1	51.4	30.8	7.37
1,2,3,4,6,7,8-HpCDF	210	2470	1190	239
1,2,3,4,7,8,9-HpCDF	17	133	64.8	11.7
OCDF	474	3740	2780	419
Total 2,3,7,8s	9960	106000	37100	7800
Total Tetra-Dioxins	21.3	150	54.2	668
Total Penta-Dioxins	30.9	338	136	409
Total Hexa-Dioxins	167	2610	1210	400
Total Hepta-Dioxins	1560	21900	8140	1280
Total Tetra-Furans	32.9	510	168	194
Total Penta-Furans	53.5	786	357	172
Total Hexa-Furans	160	3920	1370	205
Total Hepta-Furans	579	11100	6180	618
TOTAL DIOXINS/FURANS	11400	134000	48500	10500
Dioxin TEQs				
DX TEQ (ND = 1/2)	30.5	338	141	227
DX TEQ (ND = 0)	30.5	338	141	227

**Table 3-8. Dioxin/Furan Analytical Results
by EPA Method 1613B for Indoor Dust Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	DC-ID-2627-08	DC-ID-3728-09	DC-ID-4034-10	DC-ID-3716-11
Date Sampled:	6/10/04	6/10/04	6/11/04	6/11/04
Resident Name:	New Scott OLLY Baptist Church	Ealline Hopkins	Phillip Sweezer	Chad Williams
Resident Address:	2627 Willow Glen Rd.	3728 Bethel St.	4034 Clinton Dr.	3716 Milton St.
Collection depth:	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Latitude:	31°16.854'	31°16.979'	31°16.746'	31°17.034'
Longitude:	092°25.866'	092°26.050'	092°25.621'	092°25.816'
Sample Matrix:	Indoor Dust	Indoor Dust	Indoor Dust	Indoor Dust
Sample Collected By:	3TM	3TM	3TM	3TM
Sampling Method:	HVS-3	HVS-3	HVS-3	HVS-3
Analytical Method:	1613B	1613B	1613B	1613B
Analytical Laboratory:	AXYS	AXYS	AXYS	AXYS
Field Work Phase:	Phase I	Phase I	Phase I	Phase I
Units:	pg/g or ppt	pg/g or ppt	pg/g or ppt	pg/g or ppt
2,3,7,8-TCDD	12.8	2.36	5.69	3.18
1,2,3,7,8-PeCDD	6.86	7.61	24.5	15.9
1,2,3,4,7,8-HxCDD	4.13	12.4	77.3	31
1,2,3,6,7,8-HxCDD	13.5	92.8	975	777
1,2,3,7,8,9-HxCDD	22.4	46.8	206	228
1,2,3,4,6,7,8-HpCDD	263	2650	8940	19900
OCDD	2430	18200	30000	114000
2,3,7,8-TCDF	10.8	16.5	68.3	27
2,3,7,8-TCDF(C)	3.09	9.07	21.1	12.2
1,2,3,7,8-PeCDF	2.36	6.63	30.2	14
2,3,4,7,8-PeCDF	3.91	11.8	33.6	18.4
1,2,3,4,7,8-HxCDF	5.41	36.8	193	115
1,2,3,6,7,8-HxCDF	5.11	19.6	86.3	58.4
1,2,3,7,8,9-HxCDF	0.279	1	6.15	2.11
2,3,4,6,7,8-HxCDF	5.82	18.6	61.9	52.6
1,2,3,4,6,7,8-HpCDF	63.3	472	2170	2760
1,2,3,4,7,8,9-HpCDF	5.18	28.4	210	177
OCDF	120	951	1290	4630
Total 2,3,7,8s	2970	22600	44300	143000
Total Tetra-Dioxins	73.8	24.3	147	60.4
Total Penta-Dioxins	87.4	76.1	329	174
Total Hexa-Dioxins	167	598	5390	4000
Total Hepta-Dioxins	536	5330	22800	38400
Total Tetra-Furans	58.2	69.2	377	154
Total Penta-Furans	51.1	172	682	405
Total Hexa-Furans	62.5	726	6290	4010
Total Hepta-Furans	125	1670	9320	10100
TOTAL DIOXINS/FURANS	3710	27800	76600	176000
Dioxin TEQs				
DX TEQ (ND = 1/2)	31.2	73.4	327	397
DX TEQ (ND = 0)	31.2	73.4	327	397

**Table 3-8. Dioxin/Furan Analytical Results
by EPA Method 1613B for Indoor Dust Samples
Durawood Creosoting Facility
Alexandria, Louisiana**

Sample ID:	DC-ID-3615-12	DC-ID-2286-13	DC-ID-3130-14	DC-ID-831-15
Date Sampled:	6/12/04	6/12/04	6/12/04	6/14/04
Resident Name:	Isiah Orange	Pleasant Green Baptist Church	Nita Thomas	True Vine Missionary Baptist Church
Resident Address:	3615 Jones St.	2286 Willow Glen Rd.	3130 Wise St.	831 Broadway Ave.
Collection depth:	Not Applicable	Not Applicable	Not Applicable	(0 - 6")
Latitude:	31°17.311'	31°17.011'	31°17.011'	31°17.870'
Longitude:	092°25.703'	092°25.766'	092°26.864'	092°26.142'
Sample Matrix:	Indoor Dust	Indoor Dust	Indoor Dust	Soil Sediment
Sample Collected By:	3TM	3TM	3TM	3TM
Sampling Method:	HVS-3	HVS-3	HVS-3	HVS-3
Analytical Method:	1613B	1613B	1613B	1613B
Analytical Laboratory:	AXYS	AXYS	AXYS	Xenco
Field Work Phase:	Phase I	Phase I	Phase I	Phase I
Units:	pg/g or ppt	pg/g or ppt	pg/g or ppt	pg/g or ppt
2,3,7,8-TCDD	0.41	4.72	1.95	11.9
1,2,3,7,8-PeCDD	1.62	4.39	6.52	53.8
1,2,3,4,7,8-HxCDD	3.94	5.8	12.3	90.3
1,2,3,6,7,8-HxCDD	116	55.6	36	1050
1,2,3,7,8,9-HxCDD	19.8	18.3	30.2	308
1,2,3,4,6,7,8-HpCDD	3610	1020	731	19900
OCDD	37400	7240	6140	171000
2,3,7,8-TCDF	1.98	9.5	13.3	26.9
2,3,7,8-TCDF(C)	1	5.21	5.34	14.8
1,2,3,7,8-PeCDF	0.914	2.5 K	4.1	89.8
2,3,4,7,8-PeCDF	1.47	3.7	5.1	99.5
1,2,3,4,7,8-HxCDF	14.3	12.5	18.4	972
1,2,3,6,7,8-HxCDF	8.15	8.58	11.3	339
1,2,3,7,8,9-HxCDF	0.397	0.666	0.629	66.2
2,3,4,6,7,8-HxCDF	6.73	8.65	12.1	225
1,2,3,4,6,7,8-HpCDF	1250	387	1360	8600
1,2,3,4,7,8,9-HpCDF	51.1	17.3	15.8	1040
OCDF	6660	728	1020	13800
Total 2,3,7,8s	49100	9520	9410	218000
Total Tetra-Dioxins	6.04	14.3	25.3	81.6
Total Penta-Dioxins	13.7	34.7	64.3	322
Total Hexa-Dioxins	344	254	266	3750
Total Hepta-Dioxins	6200	1950	1490	33800
Total Tetra-Furans	11.5	39.8	65.7	125
Total Penta-Furans	41.4	60.9	112	1150
Total Hexa-Furans	939	375	472	16000
Total Hepta-Furans	6250	1240	2320	32300
TOTAL DIOXINS/FURANS	57900	11900	12000	272000
Dioxin TEQs				
DX TEQ (ND = 1/2)	73.4	37.5	45.6	740
DX TEQ (ND = 0)	73.4	37.5	45.8	740

Legend 8	
Sample ID -	Identification number assigned to the sample
Date Sampled -	Date the sample was collected
Resident Name -	Name of current or former resident
Resident Address -	Address where the sample was collected
Latitude -	Latitude of the sample location recorded from GPS unit
Longitude -	Longitude of the sample location recorded from GPS unit
Sample Matrix -	Sample composition (i.e., Indoor Dust, Ambient Air)
Sample Collected By -	Firm which collected the sample
Sampling Method -	Method, Standard, or Device by which the sample was collected
Analytical Method -	Method used to analyze the sample
Analytical Laboratory -	Laboratory where the sample was analyzed
Field Work Phase -	Project Phase during which the sample was collected
Units -	Units of measurement used to report analysis results
pg/g -	Picogram per gram
ppt -	Parts-per-trillion
N/A -	Not Applicable
K -	Peak detected, but did not meet quantification criteria, result reported represents the estimated maximum possible concentration
Samples highlighted in this color are above the Region VI Screening Level	

